

**REPORT TO THE THIRTY-FIRST LEGISLATURE
STATE OF HAWAII
2021**

**PURSUANT TO CHAPTERS 128D AND 128E, HAWAII REVISED STATUTES,
REQUIRING THE DEPARTMENT OF HEALTH TO REPORT
ENVIRONMENTAL RESPONSE LAW AND
HAWAII EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT
FINANCIAL AND ENVIRONMENTAL SITE INFORMATION
FY2020**

**PREPARED BY:
DEPARTMENT OF HEALTH
STATE OF HAWAII
DECEMBER 2020**

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EXECUTIVE SUMMARY
REPORT ON THE ENVIRONMENTAL RESPONSE REVOLVING FUND
FOR FISCAL YEAR 2020

Chapter 128D, HRS, Environmental Response Law, and
Chapter 128E, HRS Hawaii Emergency Planning and Community Right-to-Know Act

This report, prepared by the State of Hawaii Department of Health (DOH), Environmental Health Administration (EHA), Hazard Evaluation and Emergency Response (HEER) Office, complies with the Hawaii Environmental Response Law (HERL), Chapters 128D and 128E, Hawaii Revised Statutes (HRS) requiring the DOH to report to the State Legislature on the Environmental Response Law and Hawaii Emergency Planning and Community Right to Know Act (HEPCRA).

The report presents the Fiscal Year 2020 accounting of Chapter 128D, HRS, Environmental Response Revolving Fund (ERRF) budget and expenditures for five Environmental Health Administration (EHA) programs. The report also presents an accounting of Chapter 128E, HRS, HEPCRA Tier II filing fees collected and distributed for FY2020.

ERRF Supports Environmental Health Administration

Prior to FY2016, the ERRF funded five Environmental Health Administration (EHA) programs with 31 occupied positions. They are the Hazard Evaluation and Emergency Response (HEER) Office, Environmental Management Division (EMD), Clean Water Branch (CWB), Safe Drinking Water Branch (SDWB), and the Solid and Hazardous Waste Branch (SHWB). Due to rapidly declining barrel tax revenues, the 2015 Legislature changed the means of financing for all 31 occupied positions from ERRF to general funds and eliminated 10 vacant positions, effective July 1, 2015. The legislative changes enacted removed certain uses of the fund, returning the focus to removal, remediation, and detection of oil and pollutant or contaminant releases; and removal and remediation of hazardous waste and any other solid, liquid, or gaseous substance that may harm the environment. Concurrently, the 2015 Legislature reduced the corresponding 2016 appropriations to the affected programs: HEER \$1,132,230, CWB \$324,891, SDWB \$457,532, and SHWB \$892,793.

Revenue

ERRF generates revenue in variable amounts during any given year from the fines, penalties, and interest earned by the environmental programs. A primary source of funding for the ERRF is the 5-cent share of the “environmental response tax” (ERT) which levies a \$1.05 tax on each barrel of oil shipped into Hawaii.

The General Fund receives sixty cents of the barrel tax. The Department of Business, Economic Development and Tourism (DBEDT), Energy Security Special Fund and the Energy Systems Development Fund, and the Hawaii Department of Agriculture (DOA), Agricultural Development and Food Security Special Fund receive the remaining 40 cents.

In 2015, the Legislature expanded HRS Section 243-3.5(b)(1) to include other fossil fuels by levying a 19-cent tax on each one million British thermal units (MMBtu) of fossil fuel sold by a distributor. The Department of Taxation (DOTAX) Annual Reports for the fiscal years 2016, 2017, 2018, 2019, and 2020 state that the tax was levied on 4.8, 5.6, 5.8, 7.9, and 5.9 million MMBtu of non-petroleum fossil fuels respectively. The ERRF is allocated a 4.8 per cent share of this additional tax revenue.

In addition, fines and penalties generated by the Hazard Evaluation and Emergency Response Office, Clean Water Branch (CWB), Safe Drinking Water Branch (SDWB), Solid and Hazardous Waste Branch (SHWB), Clean Air Branch (CAB), and the Indoor and Radiological Health Branch (IRHB) are deposited into the ERRF. ERT revenue to DOH in FY2020 was \$1,248,675 which includes fossil fuel collections. Total revenue to the ERRF, including the ERT revenue, was \$2,063,431.

Budget and Expenditure

The 2020 legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and Hazard Evaluation and Emergency

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Response (HEER) Office. The state expended \$1,172,848 of the ERRF during FY20 for the four programs.

Environmental Response Tax Revenue Relatively Stable

The \$1.05 per barrel ERT revenue to DOH's environmental programs is relatively stable over the past five fiscal years. For fiscal years 2016, 2017, 2018, 2019 and 2020 ERT revenue was: \$1,236,065, \$1,287,966, \$1,266,898, \$1,290,770, and \$1,248,675 respectively. Note that effective fiscal year 2016 the ERT revenue includes fossil fuel collections.

2015 Legislative Changes to HRS 128D and HRS 243 to Affect ERRF in FY2016

In July 2015, Governor Ige signed into law revisions to Section §128D-2 to limit the uses of the fund. In addition, revisions to §243-3.5(b)(1) modified the Environmental Response, Energy and Food Security Tax to add a 19-cent tax on each one million British thermal units (MMBtu) of fossil fuels and to allocate 4.8 per cent of said tax to the ERRF. The change in the means of finance for the 31 occupied positions from ERRF to general funds also took effect in July 2015. Accordingly, the Legislature adjusted the ERRF appropriations to the affected EHA programs. Another provision was that unexpended and unencumbered funds in excess of \$1,250,000 remaining in the fund after June 30 of each fiscal year will be transferred to the general fund. Changes affecting the ERRF have been reported in detail in this Report.

Hawaii State Response Program Impacted by Federal Budget Cuts

Because ERRF funding does not fully support the state's response obligation, the HEER Office implements the environmental site identification, assessment, and cleanup program using combined ERRF, General Fund, and federal cooperative agreement funding. While the SRP allocation remained stable between 2014 and 2015 at \$980,850, our FY2016 and FY2017 annual allocation dropped to \$936,300, and \$929,600 in FY2019 and FY2020 and then to \$849,600 for FFY2021. The smaller Preliminary Assessment/Site Investigation (PA/SI) grant which funds site discovery activities was cut from \$275,000 in 2013 to the 2015 allocation of \$223,000 but has been temporarily restored for FY2019 and FY2020 to \$275,000.

Grant funds available for FY22 and allocations for each state remain to be determined until EPA funding is

approved in the federal budget.. Future funding levels for PA/SI are also uncertain at this time.

Given COVID-19 related impacts on Hawaii's economy and the state's current projected budget shortfall of over \$1.5 billion, combined with decreased use of fossil fuels due to travel and operational restrictions, revenue projections for the fund are difficult to estimate at this time.

The Hawaii State Response Program (HSRP) Site Lists

This annual report presents four distinct Site Lists at the end of this document.

First, per HRS 128D, this annual report identifies Sites Eligible for Possible Remedial Action Under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

Secondly, the *FY2020 Hawaii State Response Program (HSRP) Chemical Release Notification Log* lists 391 release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). HEER identified 275 cases directly related to petroleum releases.

Thirdly, the *Hawaii State Response Program List of Priority Sites* presents all non-military Hawaii sites identified for potential or known non-emergency response actions under HRS 128D. The list shows 934 active sites under direct DOH oversight in the various State programs. This includes 24 sites with known or suspected contamination that received No Further Action (NFA) determinations since the beginning of FY2020.

Finally, the *Hawaii State Response Program Defense and State Memorandum of Agreement (DSMOA) Program List of Priority Sites* presents a list of 527 military sites in Hawaii for which HEER's Site Discovery and Remediation (SDAR) section provides oversight. This includes five sites with known or suspected contamination that received NFA determinations.

SDAR provides regulatory oversight of hazardous substance response actions for Department of Defense (DOD) service branches under federal CERCLA authorities and HRS 128D. Sites include numerous high priority unexploded ordnance sites (UXO), and multiple diverse military operations, including tank farms, pipelines, industrial activities and active training sites. A DOD cooperative agreement funds investigation, cleanup and DOH oversight of most military sites under EPA CERCLA authority. Investigation and cleanup of petroleum-contaminated military sites are exempt under CERCLA

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and are conducted under HRS 128D authority. Cleanup and DOH oversight for petroleum related activities are also covered under the cooperative funding agreements.

Hawaii Department of Health Website

Additional information about DOH and its environmental programs is located at: <http://health.hawaii.gov/>. Specific information on the environmental programs may

be located through the 'Environmental Health' and 'Emergency Preparedness and Response' drop down menus on the front page, under Health and Safety Topics.

Information about HEER Office activities including recent events, new initiatives, public records, fact sheets and comprehensive guidance documents may also be directly accessed at: <https://health.hawaii.gov/heer/>

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REPORT ON CHAPTER HRS 128D, HRS, ENVIRONMENTAL RESPONSE LAW (HERL)

Environmental Response Revolving Fund (ERRF) Budget Report

The Chapter 128D, HRS, Environmental Response Law (HERL) annual report to the Thirty-First Legislature, State of Hawaii, presents an accounting of Environmental Response Revolving Fund (ERRF) revenue and monies budgeted and expended for implementing environmental protection and response plans and actions.

ERRF Uses

In accordance with HRS 128D, the ERRF may be used for the following:

- (1) Removal, remediation, and detection of oil and pollutant or contaminant releases;
- (2) Removal and remediation of hazardous waste and any other solid, liquid, or gaseous substance that may harm the environment; and
- (3) The payment of expenditures authorized by the Director under section 128D-4, Uses of the Fund.

Special Funding to Attorney General

The ERRF funds legal support from the state Department of Attorney General on a variety of regulatory oversight issues including issuing orders to noncompliant parties, negotiating agreements with Voluntary Response Program participants, providing legal guidance on program development and legislative proposals, and developing guidance for property owners on implementation of deed restrictions in accordance with Hawaii's Uniform Environmental Covenant Act.

Annual de minimis Settlements

Chapter 128D, HRS, Environmental Response Law, requires that the department report annually on any de minimis settlements. During FY2020, there were no de minimis settlements.

Four Environmental Health Program Budgets

Four DOH environmental programs share revenue deposited to the ERRF and have access to the following FY17 Legislative Session appropriation amounts with FY18 adjustments: The Hazard Evaluation and Emergency

Response (HEER) Office \$1,363,895, Clean Water Branch (CWB) \$134,505, Safe Drinking Water Branch (SDWB) \$140,541, and Solid and Hazardous Waste Branch (SHWB) \$137,166 for a total FY2018 allocation of \$1,776,107. These allocations for CWB, SDWB and SHWB have dropped substantially compared with the FY2016 allocations, while the HEER allocation has increased from \$1,132,230 in FY2016.

In FY2020 the legislature appropriated \$1,776,107 for operating expenses to the Environmental Management Division (EMD) and the HEER Office.

For FY2020 the state expended \$1,281,023 to the four programs. The operational expenses were for emergency and non-emergency environmental response contractors, salary and fringe benefits, travel, response training, standby and overtime pay, legal services, and Tier II Fees distributed to the county LEPCs.

ERRF Funding for Red Hill Bulk Fuel Facility Oversight Reimbursed by the Navy

Using ERRF funding, the Solid and Hazardous Waste and Branch (SHWB) and HEER Office make strategic use of expert consultants to assist with complex technical decision making on the oversight of the Navy and DLA's performance under the Administrative Order on Consent (AOC department docket 15-DOH-EA-01) that resulted from the 2014 release of 27,000 gallons of fuel from the facility. Built in the 1940's, Red Hill is the largest underground storage tank farm in the United States, consisting of 20 steel lined concrete tanks with a total capacity of 250 million gallons of fuel.

To date, the Navy has reimbursed DOH \$543,961.50 for DOH-contractor expenses incurred through FY2020. Various funds have been used to pay these charges, including the ERRF and the LUST Revolving Fund. The reimbursement to the ERRF for FY20 was \$128,149.70. To date, \$387,497.42 has been returned to the ERRF. Excess funds above the cap of \$1,363,895 are returned to the State General Fund.

Fund Revenue

Revenue is generated in variable amounts during any given year from the fines, penalties, and interest earned by the environmental programs, and from the ERT at \$1.05 per barrel. Additional revenue also is generated from the 19-cent tax on each MMBtu of fossil fuels of which the ERRF is allocated 4.8 percent. The Department of Taxation (DOTAX) Annual Reports for the fiscal years 2016, 2017, 2018, 2019, and 2020 state that the tax was

levied on 4.8, 5.6, 5.8, 7.9, and 5.9 million MMBtu of non-petroleum fossil fuels respectively. Overall, the ERT revenue is relatively stable over the past five fiscal years. ERT revenue for the past five fiscal years is as follows: \$1,236,065 (2015), \$1,287,966 (2016), \$1,266,898 (2017), \$1,290,770 (2018), \$1,338,582 (2019), and \$1,248,675 (2020). Note that effective fiscal year 2016 the ERT revenue includes fossil fuel collections. The current total spending ceiling for the fund is \$1,776,107.

Environmental Response Revolving Fund Revenue – FY2020

HTH 849 and HTH 840

| | |
|---|------------------|
| ENVIRONMENTAL RESPONSE TAX | 1,248,675 |
| INVESTMENT POOL ACCOUNT | 201,481 |
| FEEs, FILING OF CHEMICAL INVENTORY FORMS | 133,929 |
| FEEs, VOLUNTARY RESPONSE ACTIONS | 86,525 |
| COST RECOVERY | 259,347 |
| REFUND/REIMBURSEMENT OF PRIOR PERIOD EXPENDITURES | 930 |
| VIOLATIONS OF AIR POLLUTION CONTROL REGULATIONS | 51,700 |
| VIOLATIONS OF HAZARDOUS WASTE REGULATIONS | 10,268 |
| VIOLATION OF WATER POLLUTION REGULATIONS | 22,051 |
| VIOLATION OF SOLID WASTE REGULATIONS | 6,025 |
| VIOLATIONS-DEPOSIT BEVERAGE CONTAINER PROGRAM | 28,500 |
| COMMUNITY NOISE CONTROL | 14,000 |
| TOTAL | <u>2,063,431</u> |

Environmental Response Revolving Fund Expenditure – FY2020

HTH 849 and HTH 840

| | |
|------------|------------------|
| PERSONNEL | 108,175 |
| OPERATIONS | 1,172,848 |
| EQUIPMENT | - |
| TOTAL | <u>1,281,023</u> |

REPORT ON CHAPTER 128E, HRS, HAWAII EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (HEPCRA)

Environmental Response Revolving Fund (ERRF) HEPCRA Budget Report

In compliance with Chapter 128E, HRS, Hawaii Emergency Planning and Community Right-to-Know Act (HEPCRA), this annual report to the Thirty-First Legislature, State of Hawaii, 2021 presents the accounting of Tier II fee amounts as follows:

- Amount collected during Fiscal Year 2020
- Amounts distributed during Fiscal Year 2020
- Projected collection for Fiscal Year 2021

HEPCRA Facility Reporting and Fees

HEPCRA facilities are those that store, use, or manufacture above defined thresholds, any hazardous substance, or extremely hazardous substance. An owner or operator of a HEPCRA facility must file notification of such “Tier II” activity and pay a \$200 filing fee annually. HEER Office staff assesses each submitted Tier II report, records the HEPCRA facility data into the EPA Tier II Submit database, and processes the fees for deposit to the Environmental Response Revolving Fund (ERRF).

DOH distributed the deposited Tier II filing fees to the Hawaii State Emergency Response Commission (HSERC) and the Local Emergency Planning Committees (LEPCs) for operating expenditures. The annual amounts distributed to the LEPCs are based on Tier II fees collected from two fiscal years prior and after HSERC operating expenditures have been deducted.

As of June 30, 2020, there are 848 qualifying Tier II facilities. Military facilities must submit Tier II information but are exempt from filing fees.

The HSERC, LEPCs, and HEER Office are continuing efforts to identify and contact possible non-reporting facilities through community outreach and facility inspections.

Tier II Filing Fees Collected and Distributed – FY2020

| | |
|---|-----------|
| FY 2020 Amount Collected | \$163,800 |
| FY 2020 Amount Distributed (FY 2018 Collected Fees) | \$143,565 |
| FY 2021 Projection of Fees to be Collected | \$163,800 |

| County | Funds Distributed to LEPCs | Number of Qualifying Facilities | | |
|--------------|-------------------------------|---------------------------------|------------------------|---------------------|
| | | Non-Military Facilities | Military Facilities | Total Facilities |
| Honolulu | \$67,332 | 381 | 25 | 406 |
| Hawaii | \$38,045 | 215 | 4 | 219 |
| Maui | \$24,550 | 139 | 3 | 142 |
| Kauai | \$13,639 | 77 | 4 | 81 |
| Total | \$143,566 | 812 | 36 | 848 |

THE HAZARD EVALUATION AND EMERGENCY RESPONSE OFFICE HAWAII STATE RESPONSE PROGRAM MANAGEMENT AND IMPLEMENTATION

The HEER Office Mission

The mission of the HEER Office and the Hawaii State Response Program (HSRP) is to address all aspects of releases of hazardous substances and pollutants, including oil, into the environment. HEER Office work includes preventing, planning for, and responding to hazardous substance releases, or risks of releases. HEER accomplishes this mission by responding rapidly to new spills and addressing existing contaminated sites with the highest risk to human health and the environment first, preventing contamination rather than cleaning up after the fact, and basing decisions on sound scientific principles and common sense.

The Hawaii State Response Program

ERRF funding to the Hazard Evaluation and Emergency Response (HEER) Office is used for operational costs for the office's implementing program, the HSRP. Three operating sections address important focus areas of the HSRP. They are the 1) Emergency Preparedness and Response (EP&R) Section, 2) Hazard Evaluation (HE) Section, and the 3) Site Discovery, Assessment and Remediation (SDAR) Section.

The HSRP provides for oversight of assessment and cleanup activities during chemical emergencies, and on high and medium priority contaminated sites across the Hawaiian Islands. These include privately owned, municipal, and state-owned properties, and federal military sites. DOH has generally curtailed oversight of low priority sites, which pose little hazard, due to state budget constraints.

HEER staff works with property owners, the environmental community, developers, the public, and other state and federal agencies to implement solutions for eliminating risk of chemical exposure to humans and the environment. HSRP examples of work performed are as follows:

- Emergency response to releases of hazardous substances that pose an imminent danger to people or the environment.
- Non-emergency response actions on properties presumed or known to pose a risk to human health and/or the environment because of contamination with hazardous substances.

- Identification and inspection of sites storing and using hazardous chemicals on property.
- Performing ecological and human health risk assessment in the areas of toxicological assessments of chemical threats to human health.
- Establishing appropriate cleanup levels for chemical contamination.
- Assisting the public and responsible parties with access to information such as:
 - Health effects of chemicals
 - Public Record documents
 - Technical guidance and reference materials for cleaning up contaminated sites
- Ongoing development and management of site related electronic records.
- Environmental policy, law, and rule development.

Essential Federal Funding Support to the HSRP

As a result of legislative changes made in 2015, the ERRF no longer funds core operations for the HEER Office, and the General Fund currently supports approximately 40% of the HEER Office state response program obligations. Consequently, the HEER Office relies heavily on three cooperative agreement sources of federal funding to implement the office's mission and the HSRP.

The federal funding sources are the EPA State Response Program (SRP), the EPA Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreements, and the Department of Defense and State Memorandum of Agreement (DSMOA) Cooperative Agreement.

The Environmental Protection Agency (EPA) State Response Program (SRP) Cooperative Agreement

The HEER Office continues to receive funding from the EPA State Response Program (SRP) grant under Section 128(a) of the Small Business Liability Relief and Brownfields Revitalization Act (SBLRBRA) of 2002. This SRP grant provides crucial funds for staff salaries, capacity building, and program development activities. The SRP grant awards have been steadily declining from 2011. The SRP grant allocation for the past seven years were \$980,850 (2014), \$980,850 (2015), \$936,300 (2016), \$936,300 (2017), \$936,300 (2018), \$926,900

THE HAWAII STATE RESPONSE PROGRAM

(2019), and \$926,900 (2020). The 2021 allocation for the current federal fiscal year was cut by \$77,000 to 849,600.

EPA Preliminary Assessment/Site Inspection (PA/SI) Cooperative Agreement

The EPA Preliminary Assessment/Site Inspection Grant funds site discovery efforts combined with federal CERCLA (Superfund) evaluation of sites. HEER staff evaluates and rates sites based on PA/SI system criteria to determine their eligibility for the National Priority List. When a rated site scores too low to be eligible for the National Priority List of Sites, EPA transfers site-oversight responsibility from the EPA to the State of Hawaii. Each year, the HEER Office uses the \$275,000 PA/SI grant to fund positions, conduct field-screening activities, and fund laboratory costs to complete rapid site screenings that assess residential areas that may have been affected by historic releases of pesticides and other contaminants. This year, due to COVID-19 distancing and travel restrictions, field sampling was not feasible. Work is expected to resume in 2021.

Department of Defense/State Memorandum of Agreement (DSMOA) Cooperative Agreement:

The HEER Office participates in two federal cleanup programs. The office provides oversight services to the military on sites located on federal property and managed and funded under the Department of Defense/State Memorandum of Agreement (DSMOA) Program. HEER Office also manages assessment and cleanup activities for sites delegated to the DSMOA funded Formerly Used Defense Sites (FUDS).

The federal government established the DSMOA program to cover reimbursement of costs incurred by the state in providing oversight services to the Department of Defense (DOD) installations conducting environmental cleanup activities funded under the Defense Environmental Restoration Program (DERP). DSMOA funds are given to the state based on the state's request for advanced or reimbursement payment. The DSMOA Cooperative Agreement funds all staff positions overseeing remedial investigations and cleanups under these two DOD programs.

For FY2020, the state's reimbursement under DSMOA was \$418,147.

Modern Data Management and Hazard Tracking Tools

Residual contamination exists at hundreds of sites in Hawaii. Identifying these sites to ensure that unhealthy

exposures are not occurring is a shared responsibility of the HEER Office and the affected property owners. The HEER Office has converted many of its public records to electronic format to make them easily available to the public in accordance with Hawaii's Sunshine Law.

A HEER/UH MOA for Analytical Laboratory Service

Since 1998, the HEER Office has contracted with the University of Hawaii (UH) to characterize unknown hazardous substances. The successful collaboration allows for quick identification of chemical pollutant unknowns while conducting an emergency response actions. The HEER Office is currently in a five-year contract with UH, effective May 1, 2019 until April 30, 2024. In addition to analyzing unknown substances, the university laboratory staff assists in training and outreach to Fire HazMat teams throughout the State.

Cost Recovery

Chapter 128D, HRS, provides legal authority to cost recover all ERRF expenses for DOH response actions. For FY 2020, the HEER Office and the Solid and Hazardous Waste Branch recovered \$345,872. The HEER Office mechanisms for cost recovery require charging billable staff time and expenses to the ERRF and include following:

Responsible Party Agreement: DOH recovers oversight expenses for the Honolulu Authority for Rapid Transportation, Honolulu Harbor, and GASCO cleanup sites in accordance with the terms of their respective Agreements for Remedial Action.

Fast Track Agreement: Parties wishing to receive expedited oversight of investigation and cleanup of low and medium priority sites have the option to enter into Fast Track Agreements, in which they pay oversight costs in return for face to face meetings and expedited document reviews.

Voluntary Response Program Agreement: DOH recovers oversight expenses for VRP and other cleanup sites in accordance with the terms of their respective HRS 128D Part II Voluntary Response Program Agreements for Remedial Action.

Emergency Response Action Expenditures: Money spent for responding to a chemical emergency is cost recoverable, only when expended from the ERRF. State On-Scene Coordinator's (SOSCs) personnel costs are paid from the General Fund and are not cost recoverable.

THE HAWAII STATE RESPONSE PROGRAM

Moneys expended from the ERRF for private emergency responder contractor services are cost recoverable.

Penalties: Penalties are assessable to a Responsible Party for failure to report a release of a hazardous substance, pollutant, or contaminant, or for failure to comply with a departmental or judicial cleanup order.

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HEER Office Emergency Preparedness and Response Key Actions

The HEER Office is responsible for planning, preparing for, and responding to releases of hazardous substances that may cause immediate and substantial threat to human health or the environment. This major area of responsibility is managed by General-funded State On-Scene Coordinators (SOSCs) trained to enter hazardous atmospheres in self-contained breathing apparatus (SCBA) and various types of personal protective equipment.

SOSCs are back-up personnel to first responder County HAZMAT teams and on 24-hour call.

The COVID-19 pandemic brought challenges to the responses. Deemed essential workers, the SOSCs continued to prepare and respond to releases but insured to make responder health and safety of utmost priority. The goal is to have the best defense against exposure to the virus by utilizing personal protective equipment, maintaining physical distancing, and abiding by Center for Disease Control and Prevention guidelines.

In FY2020 HEER's SOSCs managed 391 release notifications and performed direct oversight on 147 of those cases.

Notable HEER Office responses during FY2020 include the following:

Case No. 20190919-1508

Brom-o-gas 2% Abandoned Cylinders

On September 19, 2019, seven Brom-o-gas 2% abandoned cylinders on City and County of Honolulu land were reported to the HEER Office. The cylinders contained 98% methyl bromide and 2% chloropicrin and were restricted-use pesticides no longer in use in Hawaii. After HEER securing the cylinders in a cage, the manufacturer, Great Lakes Chemical Corporation, took stewardship of the cylinders and packaged, shipped and disposed of them, saving the State and the County approximately \$40,000.00



Case No. 20200422-1500

Dean Foods/Meadow Gold Dairies Facility: Honolulu

From April 22 till August 27, 2020, HEER oversaw the closure of Dean Foods/Meadow Gold Dairies Facility in Honolulu. Once Hawaii's largest milk processor, Meadow Gold stored and used hazardous materials that had to be removed/recycled/properly disposed during its facility closure. There were no releases of hazardous substances during its closure.



Case No. 20200701-0930

Drill Airborne Dispersant Deployment System/Fluorometer Exercise Drill

Between June 29 and July 2, 2020, the EP&R Section, participated in the annual Airborne Dispersant Delivery System Package (ADDS Pack) Training. The training involved filling the ADDS Pack with water, loading and unloading it into a United States Coast Guard (CG) C-130, and CG pilots flying and CG loadmasters spraying approximately three miles on the west side of Oahu. An addition to this exercise is a fluorometer on-water exercise with a newly purchased fluorometer.



Case No. 20190914-0052

Vessel Run Aground at Baby Makapu'u

Throughout the 2020 fiscal year, the HEER Office responded to over 30 cases dealing with grounded or sinking vessels along state shore and harbors. These vessels pose a risk to the environment through the release of fuel, engine oil, and other hazardous material such as marine batteries. The HEER Office routinely works with the U.S. Coast Guard and various other State agencies to respond and remove the vessels if necessary. The following are two examples of those responses.

On September 13, 2019, a vessel ran aground late at night at the Makapu'u tide pool area. When crews arrived early the next morning the vessel was on the rocks and fuel tank was destroyed. A sight assessment was conducted, and the vessel was removed with State oversight.



Case No. 20200321-1755

Vessel Aground Near Outrigger Reef Hotel

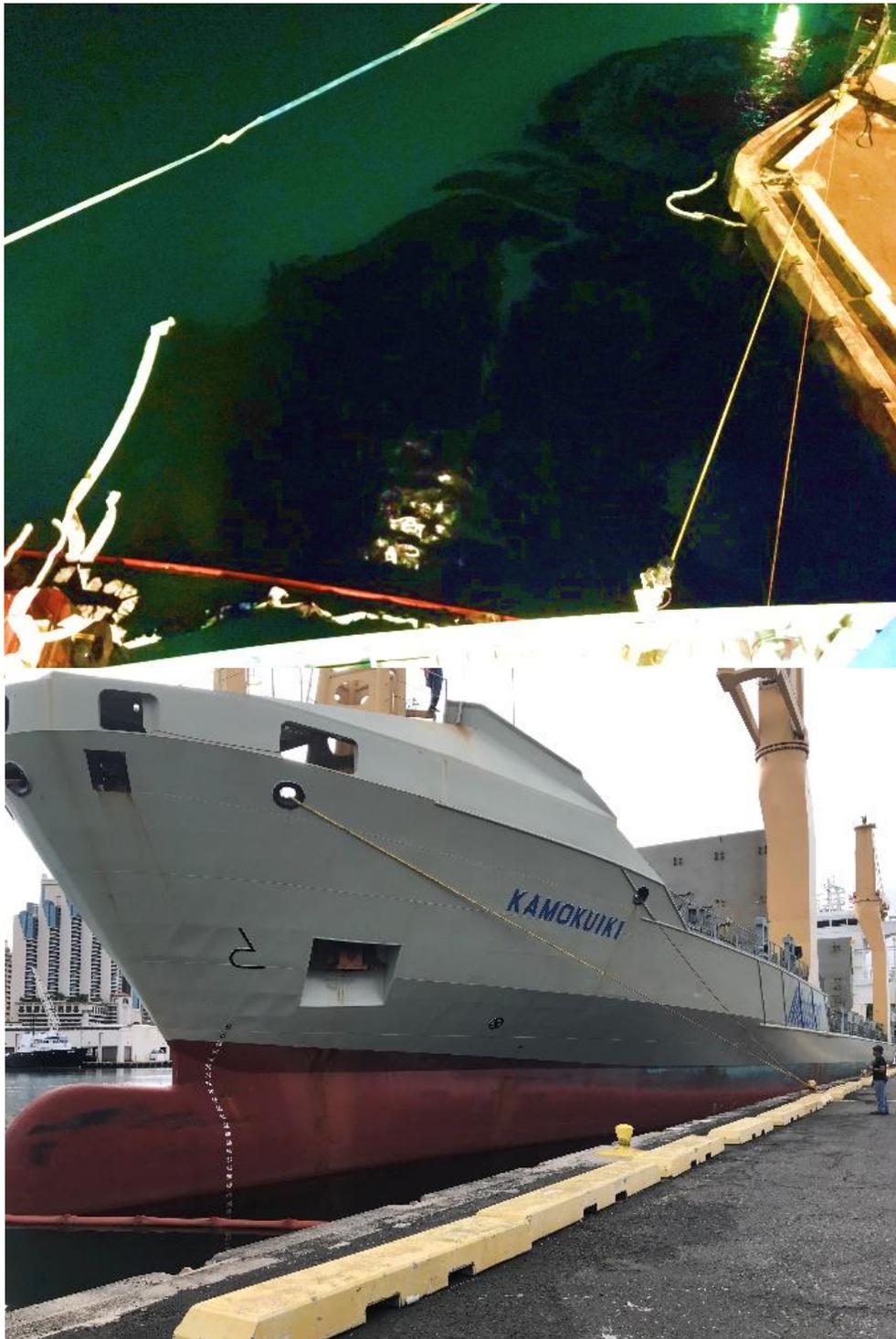
On March 21, 2020, a vessel broke free of its anchor in the late afternoon and ran aground near the Outrigger Reef Hotel in Waikiki. The vessel started taking on water and the owner abandoned the vessel. Fuel, oil, four marine batteries and household hazardous substances were all removed from the vessel the same day. An assessment was made on how best to remove the vessel with federal and state partners. The vessel was removed by ocean way on March 31, 2020.



Case No. 20191106-1656

Matson heavy fuel oil spill, Honolulu Harbor, pier 19/20

On November 6, 2019, the Matson container ship “Kamokuiki” spilled heavy fuel oil, a persistent black goeey oil, into Honolulu Harbor during refueling activities. An estimated 420 gallons were released into the water due to operator error. The fuel oil escaped the pre-boom containment and coated the harbor’s pier pilings & tire bumpers, sea wall & riprap, tugboats, and the USCG Cutters. Response contractors took nearly two months to clean up the spill.



Case No. 20200222-1137

Airplane crash, Dillingham Airfield



On February 22, 2020, an airplane crashed during a training flight at the Dillingham Airfield in Mokuleia. The airplane's two occupants perished in the crash. The crash also released hazardous substances from a fuel tank and engine onto the ground. After the completion of the National Transportation Safety Board's investigation, the airplane owner's insurance company hired clean-up contractors to conduct a removal action of all petroleum-impacted soils and vegetation. Clean up was completed in July 2020.

Case No. 20201002-1431

Unknown brown-colored substance floating along Oahu & Maui shorelines



An unknown brown-colored substance was observed floating along the shores of Maui and Oahu. The Clean Water Branch and the Department of Land and Natural Resources referred the calls to HEER. After our investigation, HEER identified the substance as *Trichodesmium* algae, a marine cyanobacterium. It is a seasonal occurrence in Hawaii's ocean waters where wind and current transport it to the island's shorelines.

Honolulu Authority for Rapid Transportation (HART) Releases

HART is the semi-autonomous public authority responsible for planning, constructing, and maintaining Honolulu’s 20-mile rail transit system. HART has continued working through the COVID-19 pandemic in order to clear a path for the elevated guideway and support columns along the Dillingham corridor – one of the more complex subterranean zones in the Honolulu Rail Transit project.

During the 2020 fiscal year, EP&R Section received a total of 23 release notifications regarding hazardous substances encountered during HART-related construction activities. These releases include hitting gas lines, petroleum-contaminated soil and lead-contaminated soil discoveries. Each incident’s response is conducted in accordance with HDOH guidelines and oversight from HEER Office State On-Scene Coordinators and Remedial Project Managers.



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Hazard Evaluation Actions and Studies

Evaluating Public Health Effects from the 2018 Kilauea East Rift Zone Eruption and Planning for the Future

On May 3, 2018, eruptive activity began in the Lower East Rift Zone. Until cessation in August of 2018, the eruption spewed large amounts of lava and emitted dangerous concentrations of sulfur dioxide gas and other airborne pollutants. These twin threats posed an imminent health hazard to residents of Puna, and subsequently caused health problems across Hawaii Island in the form of poor air quality. The HEER Office continues to work on evaluating the impact of the 2018 LERZ eruption and plan for future eruptions.

Hazard Assessments, Recommendations and Public Engagement

Quantifying the human health impact of the volcanic emissions is very difficult. The HEER Office and the Emergency Medical Services and Injury Prevention Systems Branch (EMSIPSB) have partnered on a study to further define the health impact of volcanic emissions on the people of Hawaii. The study intends to understand the burden of respiratory illness correlated with the emissions by obtaining data from IQVIA Government Solutions, a company that compiles data from pharmacies. By comparing the amount of respiratory medications purchased in the affected areas to other parts of the state and other years of lower emissions, HEER hopes to better understand the impact of emissions and vog on respiratory health. This information will also help us understand the potential increased burden on the health care system and the magnitude of increased health care dollars caused by the eruption. This information can then be used for future planning and resource allocation.

HEER and EMSIPSB have also partnered with the University of Hawaii, Manoa Department of Atmospheric Sciences on a project to develop a real-time public messaging service about vog based on forecasts from the established Vog Measurement and Prediction Project (VMAP). The new public messaging service called the Vog and Laze Exposure (VALE) Critical Warning System, is designed to provide real-time alerts to residents in areas where poor air quality from volcanic emissions is predicted within a short time frame. This warning system will allow residents to make health protective choices during periods of rapidly changing conditions.

Ecological and Human Health Risk Key Studies

The HEER Office Hazard Evaluation (HE) Section provides ecological and human health risk assessment, conducts toxicological assessments of chemical threats to human health, establishes appropriate cleanup levels for chemical contamination, and assists the public with information concerning the health effects of chemicals.

Hawaii Water Infrastructure Improvements for the Nation (WIIN) Section 2107 Drinking Water Project

WIIN 2107 is a federal grant for testing drinking water for lead contamination at schools and childcare centers. Hawaii was awarded a \$134,000 allocation from the US EPA for this project. Working in close collaboration with DOH's Safe Drinking Water Branch (SDWB), State Laboratories Division (SLD), and Children with Special Health Needs Branch (CSHNB), plus the Hawaii Department of Education (DOE), and the Hawaii Department of Human Services (DHS), HEER has been able to secure additional funding for an extensive project to test the drinking water for lead at 106 public elementary schools and 236 DHS licensed childcare centers. Sites for testing were selected based on prioritization guidance from the US EPA. In addition to extensive planning for the water sampling and analysis, HEER has started work on educational and communication materials for the staff, students, and families at the schools and childcare centers.

Evaluating Perfluoroalkyl Substance (PFAS) contamination in Hawaii and potential risks to Human Health and the Environment

PFASs are a large class of chemicals used in many materials for their waterproofing qualities. Traditional sources of PFAS include aqueous firefighting foam (AFFF) used frequently at airports and military bases, waterproof and stain resistant consumer goods, food packaging, and a variety of industrial processes. In addition, PFASs are known to accumulate in treated wastewater, biosolids from wastewater treatment and at landfills. Currently, little is known about the burden of PFAS contamination in Hawaii. In FY2020, HEER worked on multiple projects to help further assess the burden of PFAS contamination in Hawaii and its potential risks to Human Health the environment. Current projects include:

- Evaluating PFAS contamination in Hawaii's nearshore environment and subsistence fisheries. In collaboration with Hawaii Pacific

University (HPU), the National Institute of Standards and Technology (NIST), and the United States Geological Survey (USGS), HEER has continued work on a three-part study to evaluate the burden of PFAS contamination in the near shore environment. The study consists of 3 parts including analysis of PFAS in:

- (1) Frequently consumed fish from 14 locations around Oahu considered at highest risk for PFAS contamination.
- (2) Frequently consumed fish purchased from local markets.
- (3) Nearshore waters using specialized passive water samplers provided by the USGS.

Analysis of this data will allow HEER to assess the risks to human health from consuming PFAS in fish and the need to add PFAS as a risk driver for DOH fish consumption advice.

- Evaluating PFAS contamination in treated wastewater and biosolids, landfill leachate, and soils where treated wastewater is reused. This project was funded by the EPA in FY2020 and is designed to better understand the degrees of PFAS contamination in treated wastewater that is reused or discharged to the ocean as well as in biosolids and landfill leachate. Results from this project will help HEER better evaluate potential human exposures to PFASs and begin to develop ways to limit these chemicals in the environment.
- HEER Office staff designed and published an addition to the HEER office website as a tool to inform the public about PFASs. <https://health.hawaii.gov/heer/environmental-health/highlighted-projects/per-and-polyfluoroalkyl-substances-pfass/>
- HEER staff led by Dr. Roger Brewer, utilized the latest scientific information to develop Environmental Action Levels (EALs) for 18 PFASs in soil and groundwater. The draft EALs have undergone extensive public review and final interim EALS will be ready for publication near the end of calendar year 2020. When published, these EALs will be the most comprehensive set of risk-based, soil and groundwater action levels for PFASs in the US.

Assessing the Chemistry and Toxicity of Groundwater Contaminated with Petroleum Fuels

The HEER Office is near completion of a detailed laboratory study to investigate potential impacts to drinking water resources from the accidental release of petroleum fuels to groundwater. Samples of different types of fuel were allowed to remain in contact with water for several weeks. A detailed analysis of fuel-related compounds that dissolved into the water was then carried out. Multiple laboratories and analytical methods were utilized to ensure the reliability of the sample data. The study, the most detailed of its kind carried out in the US, is being overseen by Dr Roger Brewer and funded through grants to the HEER Office from the USEPA.

A draft report that discusses the results from the study is anticipated by the end of the year (2020). The data will be used to better assess the risk to drinking water resources posed by petroleum contamination and update Hawaii's existing guidance.

Health Surveillance for Environmental Factors

In FY2020, staff provided risk assessment support and responded to a diversity of inquiries concerning potential health hazards. These inquiries included questions regarding heavy metals (mercury, lead, and arsenic), pesticides, indoor and outdoor air pollutants, and illnesses potentially related to the environment. Inquiries come from the public, the media and the medical community. In FY2020, HEER responded to over 75 direct individual inquiries from the public related to environmental health concerns. DOH continued integration of environmental and health effects datasets used to track disease related to environmental pollution factors during normal and emergency response conditions. Data sharing from formal health surveillance systems for both environmental pollutants and infectious diseases was further automated using multiple funding sources, including the ERRF. The HEER Office continued its actions to electronically acquire, manage, and analyze environmental surveillance data received from physicians and laboratories.

The Hawaii Childhood Lead Poisoning Prevention Program (HI-CLPPP)

In October 2017, CDC funding revitalized the Hawaii Childhood Lead Poisoning Prevention Program (HI-CLPPP) as a joint program of the HEER office and the Children with Special Health Needs Branch (CSHNB). HEER hosts a full-time epidemiology specialist for childhood lead activities as well as medical direction and technical assistance from HEER's Toxicologist, Dr. Diana Felton. Together, the HI-CLPPP team is working to reduce children's exposure to lead by improving blood lead level surveillance, advocating for increased blood lead testing, case management, guidelines for health care professionals, education, and linking families to needed services.

After recognizing the need for early action to protect children, the HEER office purchased an off the shelf web-based application, Consilience Software Inc.'s Maven, to coordinate and enhance surveillance of lead poisoning in Hawaii. In FY2017, HEER worked with the developer to design and implement the Maven lead model. In February 2018, Maven went live and is fully operational, receiving approximately 95% of all lead blood tests in Hawaii. These results are immediately reviewed and when children with very high lead levels are identified, HI-CLPPP staff and public health nurses help the family minimize the child's exposure to lead. HEER, with Maven's help, ensures that children with elevated lead levels are getting the management and assistance needed to reduce the overall lead burden in Hawaii.

A significant improvement to services for children with lead poisoning occurred in FY2020 when HI-CLPPP developed the ability to do no-cost residential environmental investigations. Previously, these residential environmental investigations relied on technical assistance from Environmental Protection Agency Partners from the mainland or required costly consultations from environmental consultants. HEER has expanded this program by:

- Purchasing an X-ray Fluorescence analyzer (XRF) that is used to identify potential lead sources during the assessments. The XRF is instrumental in recognizing and removing lead hazards in children's homes.
- Hiring a part-time Environmental Health Specialist funded by the CDC to spearhead the residential environmental investigation program

- Training three HEER staff to be Hawaii Certified Lead Risk Assessors

For calendar year 2019, 17,664 children (≤ 6 years old) were tested for blood lead levels. One hundred and thirty-one children had an elevated blood lead level between 5-9 $\mu\text{g}/\text{dL}$. Another fifty-one children had an elevated lead level of ≥ 10 $\mu\text{g}/\text{dL}$. Addresses of children with elevated lead levels have been provided to HUD funded programs in the City and County of Honolulu and the neighbor islands to ensure that landlords receiving state or federal rental subsidies comply with lead-based paint requirements.

It remains an on-going concern for HI-CLPPP that less than 30% of Hawaii's keiki are tested for lead. This low testing rate combined with lead poisoning's initially silent nature ensures that many children with lead poisoning are unrecognized and not receiving the services they require to minimize the devastating neurodevelopmental effects of lead poisoning. HI-CLPPP continues to work to raise awareness about childhood lead poisoning and to work with providers and families to increase blood lead testing rates.

Environmentally Related Illness and Injury Reporting and Surveillance (Pesticides and Heavy Metals)

Under the authority of Section 321-311, HRS, Environmentally Related Illness and Injury Surveillance, the HEER Office is required to collect information on Pesticide and Heavy Metal Poisoning. Maven, the electronic surveillance database, receives these results automatically using electronic laboratory reporting (ELR). Using the lab results in Maven, HEER is able to track children and adults with elevated levels of heavy metals including lead, arsenic, cadmium, mercury, and zinc, as well as abnormal markers of pesticide exposure. Tracking these cases allows HEER to analyze the data for geographic and demographic trends and provide individual case management support to doctors and families. HEER staff continues to work with Information Technology Specialists in other sections of DOH to maximize the functionality and efficiency of the Maven system.

In 2019, HEER arranged for the transfer of historical data on blood lead levels in Hawaii to be migrated to the Maven system. This legacy data migration is currently in progress and will allow HEER staff to use the computing power of Maven to analyze trends and compare past and

future blood lead level data. Identifying patterns of environmental exposure and poisoning is an important step in protecting environmental health.

In FY2020, HEER completed the multiyear process of amending HAR 11-5 to improve data quality and completeness. The planned changes include requiring all results be reported to the DOH (cases and normal results) and specifying demographic information to be included with the laboratory results. The HAR-11-5 amended rules allow HEER to access environmental illness trends and patterns that will provide the basis of population-based interventions and effective screening going forward.

The Hawaii State Legislature authorized a new Epidemiology position by Act 49, SLH 2017. The Epidemiologist II to be established, will develop, lead, and conduct epidemiological investigations to identify and investigate environmental health concerns by collecting, analyzing, interpreting, and reporting available health data to evaluate whether public health is being harmed. The HEER Office is awaiting approval to recruit this position.

Collaborations on Public Health Education and Outreach

Technical and Risk Communication Assistance to the Department of Education (DOE) on environmental health issues including heavy metal contamination of soils, lead-based paint, mold exposures and safe disinfection practices in the era of COVID-19.

Hawaii Poison Center (HPC) The HPC operates a 24/7 hotline to assist residents and health care providers. DOH receives data from the HPC on the number and types of acute pesticide poisonings. The HPC is mandated by legislation and is under the auspices of the Hawaii State Emergency Medical Services and Injury Prevention System Branch. Annually, the center receives over 9,000 information and poisoning exposure calls from residents and health care providers throughout the state. Services are provided free of charge every day of the year, 24 hours a day by registered nurse specialists, pharmacists, and physicians specially trained in medical toxicology. The center is operated by the Rocky Mountain Poison Center, Denver, Colorado, an accredited regional poison center by the American Association of Poison Control Centers (AAPCC). As of March 2017, physicians may now report pesticide-related illnesses to the Hawaii Poison Center via their toll-free number: 800-222-1222. The HPC provides 24/7 medical advice for management of suspected pesticide exposures and informs DOH on

behalf of the providers. This system provides an enhanced and streamlined communication option for the providers. HEER Toxicologist, Dr. Diana Felton continues to work with the HPC on industrial, occupational, and environmental poisonings providing local technical support and collaboration.

EPA's Children's Health Protection Advisory Committee (CHPAC) HEER Toxicologist, Dr. Diana Felton was selected to serve on EPA's Children's Health Protection Advisory Committee (CHPAC). The CHPAC is made up of 20 members including researchers, academicians, health care providers, environmentalists, state and tribal government employees, and members of the public who advise EPA on regulations, research, and communications related to children's health. Dr. Felton's participation in the CHPAC ensures that Hawaii's children's environmental health priorities are represented to the EPA on a national level.

HEER Guidance and Training

Technical Guidance Manual (TGM) The HEER office updated the primary guidance used to assess health and environmental risk posed by contamination of soil, air and water. The document includes "Environmental Action Levels" (EALs) for over 200 chemicals commonly found at contaminated industrial, residential and agricultural properties. Additional investigation is normally required when concentration of a chemical in soil, water or air exceeds the EAL. A similar guidance document prepared for use in CNMI, Guam and American Samoa was also updated.

Chinese Academy of Sciences Dr. Roger Brewer, a toxicologist and environmental scientist with the HEER Office returned to China in late 2019 as part of an on-going project of collaboration with the Chinese Academy of Sciences. Dr. Brewer provided expertise and training related to Hawaii's Technical Guidance for sampling and clean-ups. Part of this collaboration included the translation of Hawaii's Technical Guidance into Chinese and expansion of the guidance to assist in the cleanup of heavily contaminated, industrial sites in China. In addition, lessons learned from this collaborative work with environmental experts in China will be incorporated into future updates of the HEER Office guidance documents. The English translation of the Hawaii-China guidance has been proposed for publication as an

international standard. Work on this aspect of the project will continue in 2021.

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Site Discovery, Assessment, and Remediation Cleanup Highlights

Continued Re-development of Contaminated Properties

As the long-term movement towards re-development of properties for housing across the State continues, the HEER Office invests heavily in investigations of older regions of Oahu and the neighbor islands that have been targeted. For FY2020, the HEER Office accomplished its primary mission of discovery and oversight of assessment and cleanup activities on high and medium priority sites across the state, including privately owned, municipal, and state-owned properties and, federal military sites. New project managers have been trained and mentored to address the various site work required.

Sites Evaluated for Removal and Remedial Actions

Property owners, responsible parties, and prospective purchasers frequently contact the HEER Office to report releases of hazardous substances, pollutants or contaminants as required by HRS 128D and to assess and manage hazardous substances, pollutants or contamination affecting properties in which they have an interest.

Our general, state and federally funded remedial project managers (RPMs) evaluate information provided, determine the nature and extent of contamination and, if necessary, require removal or remedial actions to be taken to protect human health and the environment.

To date, 1,741 state sites have been identified and investigated by the section. 807 sites received NFA determinations. Of these, 373 sites have been addressed and have no ongoing oversight requirements, another 407 sites have been placed into long term management with restrictions in place to protect human health and the environment. An additional 135 sites closed prior to 2008 have been identified for additional review in FY 2020.

During Fiscal Year 2020, 219 new state sites were added due to both site discovery efforts and statewide redevelopment activities. 24 sites were given a no further action letter, including 13 sites which require ongoing institutional controls to manage residual risks. At the end of FY 2020, 910 state sites remain open under active oversight and are being remediated or assessed for future action.

SDAR provides regulatory oversight of hazardous substance response actions for Department of Defense (DOD) service branches under federal CERCLA authorities and HRS 128D. Sites include numerous high priority unexploded ordnance sites (UXO), and multiple diverse

military operations, including tank farms, pipelines, industrial activities and active training sites. A DOD cooperative agreement funds investigation, cleanup and DOH oversight of most military sites under EPA CERCLA authority. Investigation and cleanup of petroleum contaminated military sites are exempt under CERCLA and are conducted under HRS 128D authority. Cleanup and DOH oversight for petroleum related activities are also covered under the cooperative funding agreements.

To date, 1,085 military sites have been identified and investigated by the SDAR section under the Hawaii State Response Program Defense and State Memorandum of Agreement (DSMOA) Program. 586 sites received NFA determinations. Of these, 203 sites have been addressed and have no ongoing oversight requirements and another 383 sites have been placed into long term management with restrictions in place to protect human health and the environment.

During Fiscal Year 2020, 26 new sites were added to the DSMOA program. Six sites received NFA determination, including five sites that require long term controls to manage residual contamination. 527 military sites remain open at the end of FY 2020 under active oversight and are being remediated or assessed for future action.

Responsible Party Cooperation

The Hawaii Environmental Response Law, HRS 128D, requires responsible parties and property owners to investigate and clean up contamination under the regulatory oversight of the HEER Office. The HEER Office has the authority to issue orders to require investigation and cleanup of properties that pose an imminent threat to human health or the environment. In instances where there is no responsible party, or the responsible party fails to take action, ERRF funds may be expended to complete cleanup activities to protect human health.

The HEER Office aims to collaborate with responsible parties and property owners in identifying potential hazards and directing potential investigations and cleanup activities. This partnership approach results in more successful and timely cleanups, while conserving fund monies. In 2020, Responsible Parties conducted the vast majority of investigation and cleanup actions on a voluntary basis, without a formal cleanup agreement in place.

A limited number of cleanup actions were conducted under one of three types of regulatory agreements with the HEER Office, described below.

Voluntary Response Program Key Oversight

The Voluntary Response Program (VRP) encourages voluntary cleanup of contaminated properties and includes a cost recovery mechanism to offset HEER oversight costs. Under Chapter 128D, HRS, DOH has the authority to grant prospective purchasers or developers an exemption from future liability if cleanup is performed to DOH specifications under the program.

Past, current or future property owners can participate in this program, but exemptions from liability can only be given to future purchasers or tenants. Completion of the voluntary cleanup action is accompanied by a Letter of Completion (LOC) issued by the Department of Health and noted on the property deed. The most recent LOC was issued for the Waialua Sugar Mill site on the North Shore of Oahu in December 2018. To date, 35 contaminated properties have been enrolled in the VRP program. Of these, DOH has issued 28 LOCs for 26 sites, closed one site with a No Further Action (NFA) determination without liability relief, and seen four sites withdraw from the program.

There are currently six active VRP sites in the program. Responsible parties with sites participating in the VRP pay the state for DOH oversight of their remedial activities. Several VRP sites which received LOCs require ongoing management of contaminants that could not be remediated and were left on site to be managed in place. Redevelopment of these sites requires additional coordination and oversight by the HEER Office to ensure compliance with LOC restrictions. In FY2020, four VRP sites with LOCs required oversight to ensure compliance with land use restrictions, including Costco in Iwilei, Kapalama Hale, and the former Foremost Dairy site in the Kalihi District of Honolulu.

Fast Track Program

The HEER Office Fast Track Cleanup process provides a streamlined approach for property owners to conduct protective, independent cleanups of low and medium priority sites, and improve Hawaii's ability to focus on more serious and complex releases. The program provides expedited oversight initiated with a standardized application for sites with low environmental risks. Forms and information on Fast Track Cleanups (FTC) designed to enable landowners or other private parties to conduct a voluntary investigation or cleanup under a simple agreement with the HEER Office are located at:

[http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/Fast%20Track%20Cleanup%20\(FTC\)%20Information](http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/Fast%20Track%20Cleanup%20(FTC)%20Information)

The most notable Fast Track site to date has been the International Market Place where the remedial action required was completed and site has been fully re-developed. The No Further Action Letter with Institutional Controls was issued in FY17. During FY20, the SDAR Section began looking into directing more low priority site owners into the Fast Track Cleanup process to reduce staff review time and allow staff to focus on higher priority sites.

Site Discovery Program

Discovery of historically contaminated sites that may pose a threat to current or future users is an important focus area for the HEER Office. HEER Office uses federal funding to locate and sample properties that may have invisible contamination that could cause harm, especially when sites are redeveloped to residential use, or if contaminated soils are excavated and re-used where children could be inadvertently exposed. The Site Discovery program was awarded a grant of \$275,000 for 2020 by the EPA.

Since 2007, the HEER Office Site Discovery program has investigated 112 sites statewide of which 44 sites required no further action based on initial assessment sampling and detailed historical reviews. Site screening soil sampling is pending on 8 sites, and 58 sites require further investigation. In 2019-20, eight additional sites were added. Seven sites were related to lead-based paint and arsenic at Hawaii school campuses. One site is related to Agent Orange operations in the 1960s. Sites are identified by searching historical digital collections that include the Hawaii State Archives, the Hawaii State Public Library System's Hawaii and Pacific Collection, the University of Hawaii at Manoa Library Maps, Aerial Photographs and GIS website and national resources including the Library of Congress Sanborn Map Collection and the Chronicling America digital collection of Hawaii newspapers. These resources, plus locally administered plantation museums in each county provide maps, aerial photos, and oral histories to assist in locating areas formerly used to store, mix and load pesticides for distribution on sugarcane, pineapple and other agricultural industries.

The Site Discovery Program primary focus has been on hidden hazards from the most important agricultural industries of Hawaii's past, sugarcane and pineapple. Arsenic was first used as an herbicide one hundred years ago in the sugar plantations in the state. In 1948 dioxin-containing herbicides began to be widely used as well. Since 2007 the HEER Office Site Discovery Program has searched for herbicide mixing and loading sites on every

island to identify invisible contamination left behind by the historical operations at each plantation. Historic mixing sites have been identified under public housing projects, privately owned parcels with homes, planned subdivision projects, industrial areas and agricultural settings. Of the more than 30 confirmed herbicide mixing sites only two landowners were aware of the possible contamination on the land they owned. This past year a mixing site on Kauai stopped operating almost 20 years ago was discovered with high arsenic and dioxin in surface soils.

Site Discovery Focus: Urban Redevelopment and Territory of Hawaii School Board Campuses

Given the rapid rate of urban redevelopment, the scope of the Site Discovery Program is expanding to include assessments in urban areas rapidly transitioning from former industrial activities to residential neighborhoods. These communities include condominium towers, restaurants, shopping locations and transit stations to attract and service the new residents.

Kakaako Mauka was once a major industrial section of Honolulu. A wood treatment facility, foundries, dry cleaners, breweries, chemical distributors and manufacturer are just a few of the industries that operated in this area.

In addition, the HEER Office continues working with the DOE and the Hawaii National Guard to identify former firing ranges at high schools and also former Hawaii National Guard shooting ranges that date back to 1915 to ensure lead contamination from these operations does not pose a threat to current students and other users.

Lead-based paint first used on Territory of Hawaii, Board of Education facilities from the 1920s-1970s continues to impact soil at many of Hawaii's school campuses. First identified in East Hawaii campuses like Naalehu, Keaau, Pahoia, and Waiakeawaena, investigations of lead and arsenic in soil indicates schools constructed prior to 1970 are likely to have elevated lead in soils. The Site Discovery Program will continue to investigate campuses in Hawaii, Maui, and Kauai County. Investigations are currently occurring in City and County of Honolulu by the DOE.

Hawaii's Unique Challenges

As a small isolated state in the middle of the Pacific, Hawaii faces unique challenges cleaning up contaminated properties. On the mainland, common

cleanup solution is often removal and disposal of contaminated materials to a nearby waste facility, or onsite treatment of contamination to reduce or remove hazards.

Unfortunately, limited available land for dedicated disposal facilities and the economics of transporting remedial equipment and waste across the Pacific constrain feasibility of both disposal and treatment options. As a result, Hawaii has relied on risk-based closures and on-site management of contamination for many sites as these are frequently much more feasible alternatives to implement. However, especially in the face of rapid land use changes redevelopment, Hawaii is facing the challenge on how to effectively control and how to keep the engineering and institutional controls in place over long periods and changing uses, and control soil export from those sites. Additionally, in our low-lying coastal regions, future sea level rise has the potential to reduce the effectiveness of engineering and institutional controls and mobilize previously contained environmental hazards.

Refining the Proactive Approach to Contamination State-wide

The biggest challenge we face in the HEER Office is that the majority of recently reported releases are the result of historic industrial and fuel handling activities, and tend to occur most frequently in industrial centers, harbors, airports, pipeline corridors and historic chemical use and storage facilities. Managing sites individually as releases are reported means that HEER often finds out *after* a problem or release issue has occurred.

In response to these issues, the HEER Office has begun to adopt a broad, proactive strategy to address the discovery, interim management and remediation of sites statewide. The strategy consists of three components:

1. Programmatic/Area-wide Environmental Hazard Management Plans (EHMPs)
2. Extensive Public Outreach, Material Development
3. Site and Document tracking by the public via iHEER & Notification System Use

The combination of these three components allows the HEER Office to address potential sites before they become issues by providing the public at-large with as much information and guidance as possible about potential hazards *before* contamination or potential contamination is encountered.

It provides consistent, publicly available information about areawide contamination concerns that property owners, tenants, developers and prospective purchasers can use.

Notification and tracking allow the HEER Office to flag sites with known historic contamination entering the redevelopment process before construction starts. This enables early intervention by the HEER Office during the planning process of development rather than having to stop construction that can lead to costly delays. It also prevents unintended exposure of construction workers and the general public.

Lastly, the development of a C-EHMP streamlines information gathering about the proposed project and distills contaminant management to essentials, while prescribing expected minimum hazard management procedures. The template will reduce time and costs in preparation of the document and will more effectively protect human health and the environment by adding minimum handling standards and tracking of companies involved in the project.

This enables HEER to maintain its services to the public. Here is a brief description of the three components:

Programmatic/Areawide Environmental Hazard Management Plans (EHMP):

There are several areas throughout the State that we know have significant contamination being left in place after remedies have been selected and implemented. As the residual contamination may still pose a potential risk to utility and construction workers performing sub-surface maintenance and development activities, guidance has been developed and provided to these entities to protect their workers as they do work in these contaminated areas. This is the primary role of areawide EHMPs and they address areas where 1) the type of contamination is known through several site-specific investigations in the area and 2) the contingency plans for handling the type of contamination in question is well defined. By providing information regarding management of the various media (soil, groundwater, soil gas) up front, all entities performing intrusive work in the area will be prepared and equipped to manage any hazard they may encounter. This also provides better worker safety and reduces the number of incidents that our emergency responders must address.

Extensive Public Outreach & Material Development:

Environmental Hazard Management Plans and other types of institutional controls are only as effective as the amount of awareness affected parties have. Public outreach and continuing education to all relevant parties (utilities, lenders, contractors, State departments, etc.) is required to reinforce what needs to be done and maintain site safety. Meeting with the various stakeholders annually allows the HEER Office to get its safety message out consistently and frequently. HEER Office outreach materials for the various types of contamination (UXO, arsenic, petroleum) on sites are developed and regularly updated keep these important messages fresh in the minds of the public.

During the last FY, the HEER Office has specifically increased outreach to other State Departments and City and County Departments involved in Construction and Design such as DOT Airports and City and County of Honolulu Department of Design and Construction, and General Contractors aiming at raising awareness of proper contaminant handling at the engineer and planning level. The HEER Office assisted DOT Airports with the preparation of a Programmatic EHMP to manage contamination encountered at all State-owned airports. In addition, the HEER Office reviewed and provided comments on DOT Airports updated bid specs regarding the handling and management of contaminated media during construction projects. At the same time the HEER Office continues to raise awareness on the construction worker level by providing Contaminant Awareness Training. The HEER Office completed preparation of a template for a C-EHMP to help contractors to develop EHMPs appropriate for construction oversight. In addition to the template for a C-EHMP, the HEER Office has prepared a template for a C-EHMP Addendum, which may be used for construction projects at sites with an existing, HEER Office approved long-term EHMP. The use of these templates has resulted in more appropriate and cost-effective preparation of C-EHMPs.

To assist developers, landowners, and contractors better understand the steps to properly identify and manage contamination during their projects, the HEER Office has prepared three new Fact Sheets. These Fact Sheets focus on providing guidance on choosing the most appropriate environmental consultant, the steps to taken once contamination is identified at a site, and how and when to prepare a C-EHMP. These Fact Sheets help provide information so developers, landowners, and contractors

can comply with appropriate environmental rules and regulations and better estimate project costs.

The HEER Office in collaboration with EPA and Center for Creative Land Recycling is in the planning stage for the First Brownfields Virtual Workshop on July 28 and 29. The objective of the workshop is to provide updates on the State Technical Guidance Manual, the new iHEER database, update on Contaminants of Emerging Concerns (PFAS) and to reach out to State, City, counties, private owners and developers on EPA Brownfields grants for assessment and cleanup of contaminated properties.

Site and Document tracking by the public via iHEER & Notification System Use:

iHEER development has made significant progress during the last FY. Public Record document migration from the previous system has been completed and most information is available online to the public. The system includes a map viewer where remediation and closed emergency sites can be viewed on a map. Documents can be downloaded instantly by for most sites. Currently, the HEER office is maintaining a dual system of record access of direct download and record request to balance the need for transparency to the public and protection of critical infrastructures such as pipeline information and hazardous materials storage. In addition, this system enables quality checks for correct data transfer from the previous system. The HEER Office also has moved to electronic document and record submittal via e-permitting. This enables convenient faster and date/time stamped submittals by the public and centralized document processing.

This fiscal year, SDAR staff continued to update site data for individual sites with the addition of site centroids and property boundaries. All new incoming documents are processed in iHEER now and are directly accessible thereafter. The immediate access to all documents by staff turned out to be especially advantageous during teleworking as a result of the COVID-19 pandemic. The site viewer of iHEER was improved by adding an address search field that is independent from the site database. This enables the public to search for any property and directly see if a HEER site is located on a target property or nearby.

iHEER is now integrated into **EHA Connect** which enables viewing of SDAR sites together with access to EP&R sites, TMK Boundaries, and other EHA Branch data such as Air Pollution Sources, UIC facilities, and Water Quality Advisories.

The HEER Office E-permitting document submittal portal has been expanded to include links to a newly created Construction Environmental Hazard Management Plan (EHMP) Template, and a New Notification of Construction Activity form. Additional forms were created for EP&R to allow late submittals for HEPCRA reporting (single and multiple facilities) to enable online submittal and back-collection of outstanding fees from facilities with late-submittals.

Honolulu Rail Transit Project

As drivers along H-1 see every day on their morning commutes, the rail project is becoming a reality. The Honolulu Rail Transit Project (HRTTP) guideways are springing up across the landscape and pre-construction activities are occurring all along the route. The HEER Office maintains close regulatory oversight of the HRTTP to ensure any contamination encountered during construction is managed safely, efficiently and in accordance with state law.

The HRTTP includes construction of 21 rail stations, installation of hundreds of columns to support 20 miles of elevated guideways, extensive utility relocations, a large rail car maintenance and storage facility, and several park and rides.

During FY2020, construction continued at five westernmost stations. Additionally, guideway construction accelerated in the industrialized area near the airport, and preconstruction activities associated with utility relocation continued throughout the City Center part of the project. Both the Airport and City Center Guideway Areas are located within densely populated regions of Oahu in areas with much higher potential for contamination than the western segments. HDOH is particularly concerned with an area long Dillingham where Honolulu Authority for Rapid Transportation (HART) contractors encountered very high volatile concentrations during geotechnical boring several years ago. For the safety of the workers and the public, we continue to press for investigation of this area prior to starting work.

To address environmental concerns in accordance with the Programmatic EHE-EHMP, oversight of the H RTP continues to require close coordination between the HEER Office SDAR Section and multiple other regulatory authorities. During FY2019, the SDAR Section worked closely with the Solid and Hazardous Waste Branch (SHWB), the Clean Water Branch (CAB), and the HEER Office's EP&R Section.

DOT – Airports Collaboration on Airport Rail Construction

The Hawaii Department of Transportation, Airports Division (HDOT) continued to be a valuable partner in FY2020. Their close oversight of construction within their property boundaries has alerted HDOH to several issues. This partnership allows HDOH contractors to access portions of the construction to do audits and construction to ensure compliance with the Programmatic EHE-EHMP. The coordination with HDOT has helped HDOH ensure construction continues safely, while collecting data that will help HDOT continue the investigation after HART returns the site to HDOT.

EPA Brownfields Funding Supports Rail Cleanup and Assessment of City Center Sites

In FY20, using funding from their EPA Communitywide Brownfields Assessment grant, HART completed Phase II Environmental Site Assessments for the five City Center Stations from the Mokauea Station to the Kalia Station at Ala Moana Shopping Center, as well as characterizations of other properties on the rail line that HART has not acquired.

Last fiscal year, HDOH had a joint meeting with HART to discuss project details and upcoming reviews associated with two Brownfields grants HART received. A cleanup grant was awarded to investigate disposal options for soil and groundwater at the future Iwilei Station site and an assessment grant targeted 99 properties for Phase I Environmental Site Assessments in the City Center Area. This year, additional sites have been added to the cleanup grant work. This fiscal year, HART submitted a draft Sampling and Analysis Plans for the HECO site in Iwilei and the HECO location in Chinatown. Fieldwork will begin when HART receives right of entry from HECO, hopefully early next fiscal year. Additionally, HART anticipates adding the Liliha Civic Center to the investigation next year. All three of these sites will be future rail stations and it is highly beneficial to investigate and remediate these properties before rail development for these sites begin under a public private partnership (P3) or other mechanism to be determined.

In FY 2017, HART also began attending regular status conferences between HART and a large property owner in West Oahu. There is an agreement between HART and the property owners stating that the owners will investigate and remediate the property and then relinquish ownership to HART. The property in question is key to a large parking structure and new highway access ramps near the Rail Operations Center. Although HDOH had been working directly with the property owner since November 2014 with the goal of closing the site, characterization and remediation kept stalling. In FY2020, we were finally able to close the second portion of the site and anticipate closing the other two portions of the property in FY 2021.

Unexploded Ordnance (UXO) Issues Throughout the State

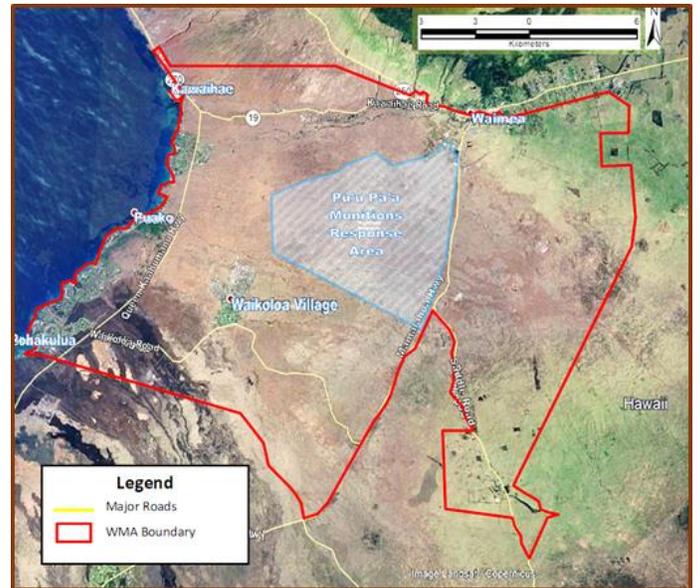
UXO continues to be one of the main contaminants of concern throughout the State. Over the past two decades, dozens of UXO investigations have taken place throughout the State at both active military installations and Formerly Used Defense Sites (FUDS), highlighting the number and severity of the UXO problem. Many of the areas that have been and are currently being investigated are in or near residential areas (Waimea/Kamuela, Waikoloa Village, Maku'u/Popoki) and/or in areas heavily trafficked by the public (Maunawili Trail, Hapuna Beach, Bellows Air Force Base, Molokini, 'Ahihi Kina'u, etc.). Since there no way to ensure 100% clearance of a UXO site, these sites present a potential danger to the public at-large. The HEER Office continues to work with Department of Defense counterparts to address UXO concerns and inform the public of hazards.

Throughout the first three quarters of FY2020, the HEER Office continued to conduct outreach with the United States Army Corps of Engineers to discuss UXO safety with the public at sites on Hawaii Island. The HEER Office also conducted separate outreach directly to stakeholders in the 100,000+ acre Waikoloa Maneuver Area on Hawaii Island to inform them of the new Area-wide Environmental Hazard Management Plan (AEHMP) to address UXO hazards and provide safe guidance for redevelopment. Meetings were held with Hawaii County representatives, real estate managers and agents, representatives of DHHL and Parker Ranch, and the Department of Education.

The HEER Office also began issuing Conditional No Further Action with Institutional Controls (Conditional NFA w/ICs) letters for existing and planned future Affordable Housing parcels in the Waikoloa Area that were selectively cleared and closed out by the U.S. Army Corps of Engineers. Samples of the Conditional NFA w/ICs letter were submitted to the Department of Housing and Urban Development (HUD) for review prior to finalization to ensure that they met the requirements in order to unfreeze federal monies so that the housing projects in the area can proceed. (In August 2019 HUD issued a Notice stating that the NFA w/ICs meets all requirements laid out in previous HUD Notices). Education regarding contamination in the area and the guidance outlined in the AEHMP will be continuous in the area for the foreseeable future. In June 2019, the HEER Office met with various representatives of the State's Congressional Delegates to inform to update them about the AEHMP guidance for Waikoloa and other UXO-related concerns

in the Waikoloa Area. If the AEHMP at Waikoloa proves successful, it is anticipated to serve as a model for other UXO sites across the State.

In the last two quarters of FY2020, we worked with developers in the Waikoloa Maneuver Area to develop Site-Specific EHMPs as described in the AEHMP and Conditional NFAs w/ICs for large scale affordable housing development projects in Waikoloa Village. The HEER Office has also worked with the developers of the new Waikoloa Plaza to coordinate the clearance can transfer of land for the new Waikoloa Library. In addition, utilizing the services of Terradex, Inc. to monitor excavation notifications in the Waikoloa Maneuver Area, the HEER Office has been able to notify dozens of individual workers, landowners, and developers of the State's UXO safety guidance.





protection of the public in these popular recreation areas and a plan to assess permanent remediation actions in the future that could entirely remove the hazard without causing injury to the natural resources.

On Molokai and the North Shore of Oahu, HEER also continued oversight and close coordination with USACE of UXO Remedial Actions and public outreach activities during FY2020.



Beyond Hawaii Island, we also continued oversight of UXO Response Actions across the State, including offshore UXO hazards discovered at popular marine recreation areas on Oahu and Molokini Island. Partnering with DLNR to protect the natural resources as well as human health, we requested assistance from the navy Explosive Ordnance Disposal Unit to arrange the safe disposal of rockets offshore of Lanikai Beach. Because of the nature of the bombs discovered in the Molokini Island Marine Natural Resource Protected Area, the state requested direct assistance from the Office of the Deputy Secretary of the Army and the Department of Defense Explosive Safety Board to conduct a risk assessment to evaluate actions needed to mitigate the explosive risks to recreational divers and boaters, while avoiding devastating damage to the exquisite coral communities in the Molokini Crater. This resulted in interim management of the latter to ensure the



In September 2018, the HEER Office sub-contracted the services of UXOPro, an expert UXO consulting company, to assist with review of UXO clean-up documents, particularly those pertaining to new investigation technologies. This added support is assisting our staff in pushing through some of the difficult roadblocks that have been encountered on some U.S. Army Corps of Engineers UXO remediation projects across the State (including Oahu Target Islands and He'eia Kea on Oahu and Waikoloa Maneuver Area on Hawaii Island). These contractors are also helping the HEER Office to develop

its own expertise and knowledge of QA/QC procedures related to UXO investigations. UXOPro was particularly helpful during FY2020 in helping to resolve the issue at Molokini by educating and informing both HDOH and DLNR staff about UXO disposal alternatives.

Brownfields Re-development of Various Properties Across the State and Counties

Land re-use and re-development is critical when living on an island and to facilitate that, the HEER Office has dedicated its time and resources to assist private parties in their endeavors. In addition to these projects, the HEER Office has assisted the City and County of Honolulu in researching potential parcels for use as transitional housing.

The HEER Office has had a longstanding relationship with DBEDT and continues to assist DHHL, DOT, DOE, and other State departments in providing guidance and oversight for their projects, and Aiea Sugar Mill. The HEER Office assisted County of Kauai with their Phase I site reconnaissance and later, in their successful application for a Targeted Brownfields Assessment Grant for Samuel Mahelona Hospital. In FY2020, HEER will provide technical assistance and oversight in the preparation of the Sampling and Analysis Plan. The HEER Office provided comments and technical assistance to City and County of Honolulu during their preparation of a Sampling and Analysis Plan to assess the former Aiea Mill slated to be developed for affordable housing. The HEER Office strives to assist its fellow State Departments in ensuring the safety of the sites and designing long term remedies that allow for potential re-use/re-development.

In an effort to help the Kekaha, Kauai community develop the former Kekaha Sugar Mill, we coordinated with non-profit organizations and consultants to assist them with preparing an EPA grant application for the assessment and cleanup of sites around Kekaha community.

The HEER Office approved the proposed sampling plan, final environmental assessment report and the Analysis of Brownfield Cleanup Alternatives for the Department of Accounting and General Services (DAGS) in their application for Targeted Brownfields Assessment Grant for Phase II Site Investigation for the 333 and 351 North King Street as part of the Liliha Civic Center Development. Cleanup work on this site is expected this year.

For the Fiscal Year 2020, the HEER Office is also providing continuous oversight to City and County Transit Oriented Development in assessing Brownfields sites in the neighborhoods near the future rail stations. The goal is to enable TOD, which is compact development within walking distance of a transit station. The HEER Office provides technical assistance in developing sampling and analysis plan as well as in reviewing the Quality Assurance Project Plan which are required under EPA Grant agreement.

High Priority State Sites

A key role of the HEER Office is to identify sites where current or projected exposures to hazardous chemicals could pose a threat to public health or the environment. These sites receive high priority designations. In 2018 there were 85 high priority sites in the Hawaii State Response Program. Examples of major progress on high priority sites are described below:

Kapalama Container Yard Development

The Kapalama Container Yard project is a massive re-development project on both land and sea. The area was utilized by multiple and various tenants after it was transferred to the State from the Army in 1983 when it was known as the Kapalama Military Reservation. Historic information regarding the former military reservation indicated petroleum, heavy metal, and PCB contamination on-site. An investigation was performed prior to construction and an EHMP was implemented on the site. Given the vast amount of soil and concrete that needs to be moved or disposed of, the HEER Office has worked closely with DOT's contractor Kiewit and the Solid Waste Section to ensure that the material being generated is being handled in accordance with state regulations.

During this fiscal year, excavation of underground utility corridors continued and 1,508 cubic yards of arsenic contaminated canec/soil mixtures from the top two feet of a raised concrete foundation were disposed of at PVT landfill. Excess soil from utility excavations was segregated into 800 cubic yard stockpiles, sampled using multi-increment sampling and depending on the results, either disposed offsite at PVT landfill if they exceeded unrestricted environmental action levels (EALs), or re-used at commercial industrial sites after coordination with DOH. Overall, approximately 111,500 cubic yards of soil were exported for disposal and/or re-use.

Factory Street Lead Hazard Removed by US EPA Region 9 Emergency Response

The Factory Street Lead Site is a site with significant historic lead contamination located in a mixed residential/industrial area. The lead contamination is likely a result of former fishing weight smelting operations and posed a high risk especially to children due to high concentrations of lead underneath the asphaltic street cover, which was degrading due to decreased maintenance of this secondary roadway. In 2019 HDOH requested assistance from the EPA to remove the highest lead contamination directly beneath the asphaltic cover in the roadway and shoulder area. EPA completed the remedial excavation down to 1 foot beneath the surface in the first quarter of 2020 and the site is now safe for reuse with residual contamination below 1 foot below ground surface managed via an EHMP.

The site was initially cleared by US EPA in an emergency response action in the 1990's when the highest concentrations of lead in the shoulder areas were excavated, and residual contamination was paved over to prevent exposure to residents and workers. The street (including the shoulder area) is a property with unknown ownership and therefore questionable assignment of responsibility for maintenance.

Despite not owning the street, the City and County initially maintained the roadway surface, but stopped maintenance work due to postings of "no parking signs" which renders the street inaccessible to the public and therefore not qualified for municipal road maintenance services.

HEER revisited the Factory Street Lead Site in 2016 to assess hazard conditions and determined that the roadway and shoulders would need of repair and ongoing maintenance to prevent potential exposure to high concentrations of lead. In March 2017, HDOH HEER conducted a public outreach event to inform the residents in the area of the condition of the degrading road and potential for lead exposure, to update them on the planned path forward regarding remedial investigation and paving, and to provide information on how they can prevent children from being exposed to lead. The HEER Office conducted a Site Assessment in July 2017. The plan for the Site Assessment was presented to the public via the Kalihi Neighborhood meeting and notices to owners and residents in the assessment area. The Site Assessment showed that high concentrations of lead extended to underneath the roadway. In October 2017, the HEER Office conducted

asphalt patching through an emergency response action within the shoulder area of Factory Street. In February 2018, the HEER Office prepared and Area-Wide EHMP for the Factory Street Site. The EHMP will enable the City and County to conduct paving and water and sewer line replacement in a safe manner. Simultaneously, the HEER Office explored the option of remediating the site, but it was not feasible due to the high costs associated with it.

Due to the abandoned status of the roadway, the HEER office was unable to identify responsibility for the release and maintenance of the street and shoulder areas. Attempts to assign ownership of Factory Street to the State and/or City and County were conducted by the HEER Office via direction through DOT and through the 2019 Legislature, but both attempts failed.

Due to the lack of an identified responsible party and the need for a protective remedy, HDOH requested emergency response assistance from U.S. EPA Region 9 in June 2019 to remediate the site. Remedial Excavation began in January 2020. EPA completed the excavation of lead contaminated soil down to 1 foot below ground surface in February 2020. The project was very complex due to multiple utilities running underneath the shoulder area and crossing the street, impossible soil storage onsite, because of the residential nature of the site, and the very restricted space at the site. One utility pole had to be shored during excavation to stabilize it. All soil excavated (hazardous and non-hazardous waste) was disposed of on the U.S. mainland due to community concerns about disposal at the local PVT landfill. Paving of the street was completed in March 2020. The effort included close coordination with City and County Utility Commission and DOT Harbors. HDOH and EPA conducted multiple outreach events prior to the start of excavation. DOT Harbors provided a temporary storage and loading area close to the harbor to enable proper packaging prior to loading of the contaminated soil onto a barge. Remaining contamination in the subsurface below 1 foot is being managed via an Environmental Hazard Management Plan and any subsurface disturbances are currently monitored via the Terradex tracking system which is connected to the Hawaii 811 Call. Monitoring of the pavement (cap) is necessary and an owner of Factory Street has yet to be determined to ensure the durability of the remedy.

Radford High School Track & Field and Makalapa Elementary School

The draft Remedial Investigation on the Makalapa campus and uninvestigated areas on the Radford campus

by the US Army Corps of Engineers (USACE) to determine the nature and extent of the buried debris is complete and a report of its findings along with a feasibility study outlining the remedial alternatives was submitted for review in late 2019. The HEER Office provided comments on the draft and is awaiting responses. A key question is whether USACE still considers Munitions and Explosives of Concern (MEC) to be a hazard at the two campuses. Environmental Hazard Management Plans (EHMPs) were prepared for both schools that include dig restrictions that require costly Unexploded Ordnance (UXO) Construction Support/Anomaly Avoidance to be performed for any excavations. USACE has described the chance of encountering MEC as low but has not ruled it out yet. Public meetings will be held by the USACE before a final remedy is selected.

Daniel K. Inouye International Airport – Mauka IIT Extension Project

During the construction of a new Inter-Island Terminal extension wing at the HNL Airport, petroleum and solvent contamination was encountered during drilling of piles for the new foundation. The HEER Office was able to work with the State of Hawaii Department of Transportation – Airports Division (DOT-A) to coordinate the characterization of the soil, groundwater, and soil vapor within the building footprint, while allowing for construction to continue following the preparation of a Construction EHMP that ensures the protection of human health and the environment during the construction.

By the end of FY20, the soil, groundwater, and soil vapor beneath the building footprint were properly characterized, and the necessary mitigation measures (such as a soil vapor barrier beneath the building), have been completed. Construction of the building is nearing completion, and the characterization of the area outside of the building footprint has been completed.

Iwilei Areawide Contamination

Because of extensive historic petroleum contamination in subsurface soils dating back to territorial days, Honolulu Harbor remains one of HEER's top priorities. This fiscal year, The Board of Water Supply prepared its own EHMP for Emergency Water Main Repairs in the Iwilei Area. Work is underway at a number of high priority sites, including:

BHP GASCO Benzene Site/Dole Cannery Building Site, Oahu

The BHP Gasco Site was the most hazardous site in the State with high benzene concentrations in soil and

groundwater as a result of releases from former gas manufacturing activities. The site is situated next to the Dole Cannery Building and is being remediated under a consent agreement signed in March 2004. The BHP Gasco Site has completed active remediation and source reduction and has been re-developed into a warehouse. Engineering and institutional controls have been implemented and the site together with the neighboring Dole Cannery Building is currently under a combined long-term monitoring program for groundwater, soil vapor, and indoor air monitoring. The newly constructed warehouse at the site is underlain by an impermeable vapor barrier and a sub-slab ventilations system. A concrete cap was installed over the remainder of the Gasco site. The soil vapor extraction (SVE) system for the Dole Cannery Building has been re-located. The remedial alternatives analysis at the Dole Cannery has been put on hold until redevelopment plans have been firmed up, with the SVE system serving as an interim measure to ensure tenant safety. Groundwater and soil vapor monitoring is currently conducted on a semi-annual basis to monitor for potential rebound after In-Situ Chemical Oxidation (ISCO) has been discontinued and effects of potential contamination mobilization associated with construction activities. The SVE system is currently run at a frequency of every two weeks.

During this fiscal year, a combined Interim Long-Term Monitoring Program for the Gasco/DHX site and the Dole Cannery was in development. Monitoring is pivoting towards an emphasis on reliable soil vapor sampling that includes sampling of individual soil vapor probes and large volume purge (LVP) samples to ensure protection of Dole Cannery occupants, and less on groundwater monitoring. Groundwater monitoring at a reduced number of wells will focus more on characterizing the redox environment to ensure that degradation is continuing at a sufficient rate to sustain benzene and TPH degradation while transitioning to a more reducing environment. Groundwater monitoring will also ensure that rebound conditions, should they occur, are adequately captured and dealt with, and that groundwater plume mobilization in response to construction activities is short-lived to limit offsite migration. The current monitoring network includes 28 groundwater, 31 soil vapor, and 4 indoor air sampling locations.

Iwilei District Participating Parties (IDPP) Enforceable Agreement for Areawide Contamination

The Iwilei District Participating Parties (IDPP), LLC, has completed intensive investigation and early cleanup actions for their areas of responsibility in Honolulu

Harbor. Public participation and remedy selection are now complete for all major Operable Units (OU).

IDPP has implemented the remedies and response actions required by DOH to manage residual petroleum contamination in subsurface soils. These include free product removal, infrastructure repairs and a variety of institutional and engineering controls required to ensure long-term protectiveness of the remedies for future generations and the nearby marine environment. Site-specific EHMPs have been developed for OU1C and the old Hilo Hattie property. EHMPs are being developed for the rest of the OUs (1A, 1B, 2) as well as the OU3 properties within Nimitz Highway. OU-1C received a No Further Action Determination with Institutional Controls (NFA-IC) in August 2018 and a refined methane survey has been completed. An EHMP has been completed for the site.

Plans underway to Safely Convert Former Hilo Hattie Store to FEDEX Facility. The former Hilo Hattie Site in OU3 also received an NFA with IC determination in August 2018 and is managed via an EHMP. The site is currently under redevelopment as a FEDEX station along with the neighboring property at 775 North Nimitz Highway. Product recovery was completed at 775 North Nimitz Highway in April 2020. FEDEX and DOT Harbors were in the process of developing construction specific EHMP addendums in order to conduct redevelopment activities at the proposed FEDEX location and OU1C. A Draft EHMP was prepared for OU1B in November 2019 but did not include continued monitoring and/or contingencies that account for potential increase in methane concentrations during sea-level rise. IDPP completed a methane investigation in 2018, but this evaluation did not account for a dynamic environment in the context of sea-level rise. Discussion between IDPP and HDOH are being held on how to handle potential imminent and substantial threats associated with an increase in methane in the future to ensure the remedy is effective and durable. Resolution of this issue will affect how the remaining OUs will be addressed regarding long-term monitoring and management. The Board of Water Supply prepared its own EHMP for Emergency Water Main Repairs in the Iwilei Area. The HEER Office continues to oversee the long-term management of all the OUs and manages the following ongoing activities to ensure the protectiveness of the remedies selected.

- Site-specific EHMP implementation for investigated areas and Areawide EHMP implementation on areas where no investigation has taken place.

- Partnership with DOT to provide guidance for new tenants as they perform intrusive activities near any of the OUs.
- Continued outreach to affected stakeholders. In order to reach tenants, utilities and property owners planning excavation activities within IDPP Hazard Management Areas, IDPP is conducting multiple outreach meetings to provide guidance and direct construction support for safe management of contaminated materials. The presentation materials include standard operating procedures for safe management of petroleum impacted soils during construction activities, including excavations, dewatering, soil disposal or re-use, and worker protection.

Oversight of Department of Defense Superfund Sites on the National Priorities List

Pearl Harbor Sediment Study, Pearl Harbor Naval Complex (PHNC)

After many years of intensive investigation, pilot studies, assessment of remedial alternatives, public engagement and remedy selection documented in and approved by state and federal regulators in the Final Record of Decision, the Navy is now finalizing the Remedial Design, additional dredge evaluations for disposal and fish sampling needed for long term monitoring of the site.

History of the Sediment Investigations

A Remedial Investigation/Feasibility Study (RI/FS), completed in 2015, identified 10 Decision Units (DUs) with sediments contaminated with total PCBs and metals; Six DUs required remediation and remedial alternatives were evaluated and proposed. The remaining four DUs at the site have been identified for No Active Remediation (NAR):

DU N-1 (Majority of Navigation Channel)

DU W-1 (West Loch)

DU M-1 (Middle Loch)

DU E-1 (Majority of East Loch)

The Final Record of Decision for the Pearl Harbor Sediments, signed in September 2018, listed the following remedial alternatives for the six DUs requiring remediation, to address potentially unacceptable risks to human or ecological receptors exposed to contamination associated with the sediments:

- DU SE-1 (Southeast Loch) - Focused Dredging with Enhanced Natural Recovery (ENR), Activated Carbon (AC), and Monitored Natural Recovery (MNR) (20 years)
- DU N-2 (Oscar 1 and 2 Piers Shoreline) - ENR with MNR (10 years)
- DU N-3 (Off Ford Island Landfill and Camel Refurbishing Area) - ENR
- DU N-4 (Bishop Point) - ENR
- DU E-2 (Off Waiiau Power Plant) - Focused Dredging with MNR (10 years)
- DU E-3 (Aiea Bay) - MNR (10 Years)

The remediation footprint, in various areas, for different technologies have been refined based on data collected in a 2017 field investigation. Dredge volumes have been reduced from 24,000 cubic yards (cys) to 18,000 cys for SE-1 and 7,800 cys to 4,200 cys in areas off E-2 in East Loch. Areas for ENR (placement of thin layer of sand to enhance natural recovery) was reduced from 39 acres to 29 acres. Estimated total cost for the preferred remedial alternatives has been refined to \$49.3 million from the original \$60.6 million cost.

A Final Basis of Design Field Investigation Report, finalized in early FY20 provided the data needed to complete the design of the selected remedy for the site as documented in the Record of Decision (signed in 2018) and the additional baseline fish tissue data needed to evaluate long-term fish monitoring recommendations for the site.

A Dredge Material Evaluation Work Plan, submitted by the Navy, had the objective of determining whether dredge materials from DU N-4 and DU E-2 are suitable for disposal at the United States Environmental Protection Agency’s (EPA) designated South Oahu Ocean Dredged Material Disposal Site (SOODMDS). Data provided by this sampling and dredge material evaluation can also be used to assess upland disposal criteria if the dredge material does not meet the criteria for open ocean disposal. This work plan was finalized in March 2020.

A Final Treatability Study (TS) Report for Under-Pier Activated Carbon Treatment of Contaminated Sediment, finalized in March 2020, carried out at Sierra 1B Pier, evaluated the constructability and feasibility of applying SediMite and AquaGate+PAC to contaminated under-pier sediment. The results of the verification survey and post-AC placement performance monitoring indicated that SediMite and AquaGate+PAC both met the project

objectives and performance criteria for successful material placement and effective treatment of contaminated sediment at Pier Sierra 1B. The AC amendment application process developed during the TS was successful. Porewater PCBs concentrations and bioaccumulation were reduced.

A Draft Remedial Action Work Plan and Draft Environmental Monitoring & Management Plan have also been submitted during FY20.

The Navy continues to work with EPA and DOH to ensure that the communications with Hawaiian Electric Company (HECO), as the potentially responsible party, continue to progress for the Waiiau Power Plant final remedies. In October 2019, HECO submitted the Draft Tunnel Solids Source Control Action Design Report and Draft Sediment Source Control Action Design Report for Source Control for Pearl Harbor Decision Unit E-2, Waiiau Generating Station for regulatory review.

Pearl City Fuel Annex (PCFA), Pearl City Peninsula, Pearl Harbor Fleet Industrial Supply Center (PHFISC)

The PCFA site is located within the Pearl Harbor Naval Complex, on the Pearl City Peninsula, which is between the Middle and East Lochs of Pearl Harbor. Originally constructed in 1944, the site was used as a fuel storage complex where tanks historically stored fuel including jet propellant, motor gasoline, aviation gasoline, ballast, waste oil, and liquid purge waste. Actual operations at the PCFA ended in 2006.

Multiple historical petroleum releases have occurred at the site and aqueous film-forming foam was used during a 1985 fire that rendered former Tank #1 inoperable. Past maintenance activities at the former industrial facility generated various waste streams, including used sandblast grit, tank-bottom sludge, and tank condensate. Previous environmental investigations have documented past waste disposal practices, which included discharging sludge and tank condensate directly to the ground surface. This practice was discontinued but resulted in the release of metals and polynuclear aromatic hydrocarbons (PAHs) to the ground surface. A Remedial Investigation concluded that subsurface soil contamination was generally associated with subsurface petroleum releases and not associated with surface contamination releases. Contaminants of Potential Concern previously detected in site subsurface soils were volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), PAHs, and metals. Metals, TPH, and

PAHs have previously been detected in groundwater above site screening levels. All former structures within the PCFA have been demolished.

A Draft Remediation Verification Report was submitted during FY20 to document a 2016 Non-Time Critical Removal Action (NTCRA) conducted at the site. A 1-foot thick soil cover was constructed over the entire site as part of the NTCRA. The cover was installed to prevent human and ecological receptors from exposure to contaminated soil encountered within the former industrial area of the PCFA site. The PCFA site is currently vacant and is expected to remain undeveloped in the future.

Naval Computer and Telecommunications Area Master Station (NCTAMS)

Final Five-Year CERCLA Review for NCTAMS PAC National Priorities List Sites, JBPHH, Lualualei Annex and Wahiawa Annex was submitted in August of 2020. All remedies were functioning as intended and remain protective of human health and the environment.

On June 25, 2020, the Department signed the Record of Decision for the East Gulch Disposal Area (EGDA), JBPHH Wahiawa Annex, Oahu, Hawaii. The ROD documents the decision made by the Navy and USEPA, with the concurrence from HDOH, that this site is a part of the NCTAMS Pacific National Priorities List (NPL) was deemed No Further Action (NFA). The final decision had been selected in accordance with CERCLA, as amended by Superfund Amendments and Reauthorization Act (SARA), and to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), and the Office of the President of the United States Executive Order 12580 (EO 1987).

The final remedy was chosen after a Time-Critical Action Removal (TCRA) was performed and completed in March of 2017. Approximately 930 tons of CERCLA-regulated non-hazardous soil and 69.11 tons of waste debris were removed and disposed of from the steep-walled gulch slope. It was reported that the EGDA was used as a disposal site for municipal refuse, construction debris and inert objects (metal debris, e.g., washing machine and a truck) from the early 1940s to 1973. These waste materials were pushed over the edge of the gulch, impacting the slope's surface and subsurface soils and likely contamination of the surface water and sediment in Poamoho Stream. Upon completion of the TCRA, confirmation sampling for the areas of concern indicated

that there is no unacceptable risk for human health and the environment at the EGDA site. -Of the site's chemicals of potential concern (COPCs); polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), chlorinated pesticides, total petroleum hydrocarbons (TPH), and metals, the residual concentration of analytes that remain were well below the cleanup action levels (2017 EPA Regional Screening Levels for Residential Soil and the HDOH 2017 Environmental Action Levels for Soils) and will not pose adverse effects under an unrestricted use/unlimited exposure (UU/UE) scenario.

While the groundwater is a potential source of drinking water, the impacts were evaluated but deemed insignificant due to the relatively stable nature of the COPCs and the groundwater's approximation, 900 ft below ground surface.

Poamoho stream, located at the base of the site, was sampled during the 2015 SI (Site Investigation) Addendum. Surface water and sediment were collected and analyzed from upstream, midstream and downstream but did not contain concentrations of COPC's greater than the project screening levels. The runoff from rainfall was not considered to be a significant exposure pathway. Runoff would quickly drain away from the site due to the gulch's steep terrain.

Though the sampling confirmed that the soils met the requirements for residential, unrestricted use, the Navy has not indicated a change in use of the EDGA site since it is in an inaccessible, undeveloped area that is located on a steep gulch.

Site restoration and slope stabilization (introduction of hydro mulch) were implemented on the upper and mid portions of the gulch slope where most of the contamination was discovered. In addition, a three-wire cable barrier was installed at the top of the gulch, along with posted signs that reads, "No Dumping" and "No Trespassing Government Property" to discourage unauthorized entry and illegal dumping activities. A secondary barrier was also installed to prevent vehicle access to the north hiking trail.

Military Sites with RODs/DDs/PP issued in FY 20

1. JBPBH, PHNC, Underwater Munitions NDSA (Final Decision Document signed November 2019)
2. NCTAMS PAC, East Gulch (ROD Finalized in June 2020)
3. JBPBH, PHNSY, Transportation Yard (Final ROD reviewed/pending, July 2019)

State Oversight of Key Federal Facilities Not listed on the National Priorities List:

The Salvage Yard at Kaneohe, MCBH

In the 1940s and 1950s, the main Salvage Yard at Marine Corps Base Hawaii was created by coral dredge filling. This site was used mainly to store construction and building materials such as metal rebar, pipes, concrete, and wood; however, transformers and waste drums were stored there as well.

As part of an ongoing CERCLA investigation for the Salvage Yard Site (Salvage Yard, the boat storage area, the wetlands, and the nearshore sediments adjacent to the wetlands), fish and sediment sampling was conducted at the Fuel Pier and Marina Area. Preliminary results showed that Polynuclear Biphenyls (PCBs) were detected above the EPA and the HDOH screening values, indicating that health risks might exist and therefore, further investigation is required. The Navy is preparing a draft supplemental sampling work plan for the Salvage Yard to address further investigation and delineation of PCB-impacted soil, sediment, and fish tissue. The additional sampling data will also help in completing a risk assessment to evaluate possible impact to human health and the environment and to determine whether a long-term Fish Advisory is necessary.

A primary source of contamination was more than likely PCB-containing dielectric fluids that had leaked and spilled from electrical transformers.

In the interim, HDOH has issued an Interim Fish Advisory about the potential health risk posed by the PCBs in the waters surrounding the site. In cooperation with HDOH, MCBH issued a Catch and Release Fishing Restriction that is in effect for the shoreline and open water near the Salvage Yard as an interim measure. Several posted signs instruct people to refrain from consuming fish or shellfish obtained from these areas. The Catch and Release Fishing Restriction provides a safeguard for the recreational fisher that may frequent the areas in question.

Status Update for the Salvage Yard:

The Navy has completed their supplemental sampling for the Salvage Yard in order to further investigate and delineate PCB-impacted soil, sediment, and fish tissue. A draft report of their findings has been received and reviewed.

2019 Supplemental RI (remedial investigation) data was sent by the Navy, regarding additional sampling results for soil, sediment and fish tissue at the site. It was reported that besides the highest concentration of PCBs in fish tissue (whole body), 4,132 mg/kg ww (wet weight), the highest concentration of PCBs in filet tissue was 1,188mg/kg ww, both of which were collected from within the Marina Inlet. A sediment sample from the Inlet was also tested as having the highest concentration of PCBs, 2,410 mg/kg.

In February 2020, a draft Treatability Study (TS) Work Plan (WP) Activated Carbon (AC) amendment treatment of the Marina Inlet Sediment at the Salvage Yard report was received and reviewed by HDOH. The main objectives for the TS WP are to demonstrate and evaluate the feasibility and effectiveness of the AC amendment treatment as a remedy for the PCB-impacted nearshore marine sediment at the site. The draft final TS WP was received in August 2020. The Navy requested a coordinated review and comment by the Clean Water Branch and the HEER Office on this pilot project and comments were made in October 2020. The reasoning behind selection of the Marina Inlet for the TS project is that:

1. It is the area in which most of the elevated contamination of PCBs were detected at and
2. The Inlet contains the highest concentration of PCBs in both sediment and fish tissue

The Inlet's favorable conditions include being in an enclosure allowing for easy placement of a thin layer of AC material upon the sediment and very minimal wave action will keep the AC relatively stable.

Two types AC amendment will be used at two adjoining locations (test plots A and B) at the Inlet. PCB degrading microorganisms may be added to one type of AC which will enhance the acceleration rate of PCB degradation. These microorganisms are already naturally occurring in the Marina Inlet.

According to the TS WP, AC application is tentatively set for February of 2021.

After the placement of the AC amendment material, 9 month and an 18-month performance monitoring events will take place. The results of the TS will be included in the feasibility study for the Salvage Yard. The Navy is hopeful that the use of AC will yield promising results in the reduction of PCBs in sediments and porewater.

As for now, the fish advisory is still and will still be in effect for the duration of the TS.



State Oversight of Military Munitions Response Program (MMRP) Sites

The MMRP was created in 2001 and involved all branches of the military creating an inventory of formerly used/closed ranges across the country and its territories. These sites were put into the CERCLA process and are currently being addressed by the respective branches. Sites on properties that are no longer under the control of DoD and were transferred prior to October 17, 1986 are handled by the US Army Corps of Engineers under the Formerly Used Defense Sites (FUDS) Program. Half of the MMRP sites currently under investigation in the State are part of the FUDS program (24 active projects). Some of the most prominent MMRP sites are listed below:

Waikoloa Maneuver Area

The Waikoloa Maneuver Area is one of the largest FUDS in the nation (120,000+ acres), with a cost of over \$700 million to complete investigation and cleanup. With a \$10 million annual operating budget for the Waikoloa Maneuver Area is \$10 million; it will take decades to fully investigate and remove explosive hazards. The site is

divided into 22 different areas/sectors. Within the State of Hawaii, the HEER Office provides regulatory oversight for all US Army Corps of Engineers (USACE) FUDS projects. During the past year, work was performed in the following areas: Area M (Aina Lea Affordable Housing project portion), Area P (County of Hawaii Kamakoa Work Force Housing project), and Area N. USACE is reorienting their prioritization of site work in the WMA to help meet the need for more affordable housing. In FY2020, several meetings were held with the County and other entities (Parker Ranch, DHHL, etc.) to discuss the best approach to meet this goal.

Many uncleared portions of the Waikoloa Maneuver Area have already been developed, which has compounded the difficulties faced by the US Army Corps of Engineers in their clean-up process.

Additionally, the current technology used is incapable of identifying 100% of the unexploded ordnance (UXO) for removal and disposal, therefore, even previously “cleared” sites have a residual risk of UXO exposure. In March 2019, the HEER Office published an Areawide Environmental Hazard Management Plan (AEHMP) for the Waikoloa Maneuver Area to provide guidance for UXO safety during ongoing and future development activities. If successful, the AEHMP model for managing residual risk from UXO at FUDS may be expanded State-wide.

In 2018, the HEER Office worked with the US Army Corps of Engineers (USACE), the County of Hawaii, and private stakeholders to “parcel-out” several “high-priority” properties within Area P of the Waikoloa Maneuver Area for accelerated site closure. These sites were selected because they have planned or existing affordable housing developments which were facing multi-year financing delays from the U.S. Department of Housing and Urban Development (HUD) due to uncertainties about safety of these sites.

In 2019, USACE completed investigations of six sites prioritized for affordable housing. By the second quarter of FY2020, the HEER Office issued Conditional No Further Action with Institutional Controls determinations (NFA w/ICs) to all six sites.

While completing investigations at two of the parceled-out sites, USACE discovered that earlier clean-up activities that occurred between about 2002 and 2012 did not meet today’s current Quality Control and Quality Assurance standards. During the 2019 re-investigation and clean-up of these parcels, hundreds of pounds of Munitions Debris was discovered along with one 75-

millimeter UXO projectile that was located less than 40 feet from the Ke Kumu Affordable Housing residences. In a nearby previously cleared area, a 155-millimeter UXO artillery shell along with thousands of pounds of munitions debris was discovered in FY2020 in the planned Hawaii County Work Force Housing parcels

Based on these discoveries, the HEER Office asked USACE to develop a plan to re-assess the 29,000 acres of land in the Waikoloa Maneuver Area that was previously cleared under these Removal Actions. In FY2020, the HEER Office worked closely with USACE to develop a plan to conduct Remedial Design investigations of these previously cleared areas in and around the town of Waimea in the Munitions Response Site (MRS) BOQJ. These investigations are scheduled to begin in early 2021.

The HEER Office also began its own outreach to the Waikoloa and Waimea communities, along with State and County workers involved in the area, to inform them of the information in the AEHMP guidance document and to ensure that the communities are aware of the ‘residual risk’ of UXO hazards even in areas that have been previously cleared by USACE.

In early 2019, the HEER Office completed review of Remedial Investigation reports for four other Munitions Response Sites within the Waikoloa Maneuver Area: Sector 15, Sector 16, Area A/G, and Area F. One of these areas (Sector 15) consists of the 11,000-acre Puu Kapu parcel owned by the Department of Hawaiian Homelands (DHHL). The HEER Office disagreed with the findings in these reports, which recommended no further investigations or removal actions. The HEER Office has been working with USACE and DHHL on alternatives for these areas which have a low likelihood of encountering UXO because they were outside of the main target area but cannot be determined 100% safe. The HEER Office has requested that USACE provide UXO Construction Support for these areas. USACE also reported in early 2019 that the Waikoloa Maneuver Area will be expanding by around 80,000 acres to include areas to the north and east of the previous boundary. The HEER Office has also proposed that USACE-provided UXO Construction Support could be appropriate for those areas. Based on the HEER Office comments, USACE is planning to conduct additional field work in these areas that is expected to begin in mid-FY2021. The HEER Office will be working closely with USACE on planning for these investigations to ensure that the needs of the community are met.

In addition to the planned Remedial Design work in MRS BOQJ, USACE is planning a separate re-assessment and clearance on the 200+ acre DHHL property at Lalamilo which has been stalled for several years. This work is scheduled to begin in early 2021 and the HEER Office will continue to work closely with USACE to get this project closed out so that DHHL can move forward with their development of the site.

USACE's contractor plans to use new Advanced Geophysical Classification (AGC) technology to investigate some portions of Area BOQJ, including Lalamilo. The HEER Office, with assistance from our UXO consultant with expertise in the use of AGC, looks forward to seeing the results of this first real test of the use of AGC in the field at the Waikoloa Maneuver Area. The Remedial Actions being carried out in Area M and Area N in FY20 were conducted using traditional "mag and dig" and Digital Geophysical Mapping (DGM) technologies. to the schedule also includes beginning work in FY2021 in Sector 17 along the coast. This is another MRS where USACE has decided to re-evaluate previous clearance work before proceeding.

Pu'u Pa'a

The Pu'u Pa'a former Army training site is located within the boundaries of the former Waikoloa Maneuver Area but is not part of the FUDS Program. The site was not relinquished back to the private property owner until the 2000s, therefore, the clean-up of this site is the responsibility of the US Army Garrison-Hawaii, rather than the US Army Corps of Engineers. In March of 2018, the HEER Office requested a Time Critical Response Action (TCRA) to address 2,800 acres of the property currently used by a goat farmer and his family, as well as modifications to the Remediation Alternatives presented in the Draft RI/FS. In 2017, the farmer had encountered 14 UXOs while constructing a fence on the property. The HEER Office has not yet received a response from the US Army Garrison. In FY2020, the Army committed to conduct the requested TCRA and began planning the action with USACE. Field work is anticipated to begin in early 2021.

The HEER Office has also continued to work with the owner of Pu'u Pa'a, Parker Ranch, to provide the Army with requested documents about future site usage to raise the priority of remediating this property. Meanwhile, the Army is providing UXO Construction Support for Parker Ranch activities at the site through USACE.

Oahu Target Islands

The Oahu Target Islands FUDS is located between Kahuku and La'ie on the north shore of Oahu and includes the waters surrounding three offshore islands. Based on the previous Remedial Investigation, a fourth island, and the land portions of the three islands were determined to be clear of UXO. Underwater UXO remediation finally began in June of 2019 but was not completed. In the first quarter of FY2020 USACE reported that their contractor had identified 185 UXO underwater at the site, but due to unforeseen circumstances the items could not be removed without potentially damaging nearby coral that caused concern for Federal and State Resource Agencies. The safe removal of the UXO continued to be stalled through the rest of FY2020 due to contract negotiations between USACE and their contractor. In the meantime, the HEER Office worked together with USACE and DLNR to create warning signage for the area and conduct public outreach.

He'eia Kea

Remediation in He'eia Kea also was stalled throughout FY202. In July 2019, the HEER Office provided USACE with comments on their Remedial Investigation (RI) of the former He'eia Kea Training Area FUDS. The project included a test of new Advanced Geophysical Classification (AGC) technology in a small area of the site. The HEER Office cited several flaws in the assumptions made in the RI report, and was disconcerted by the failure of AGC to function as promised at the site. The investigation failed to include portions of the site that may have UXO present as well as "previously cleared" portions of the site. Due to discoveries at the Waikoloa Maneuver Area in other "previously cleared" UXO sites, the HEER Office requested additional investigation in those areas as well as in other areas that were excluded. USACE dismissed HEER Office concerns, so the HEER Office prepared a second comment letter in December 2019. HEER has yet to receive an adequate response to comments and USACE is threatening to close this site without concurrence from the State regulator. The HEER Office is continuing to work with USACE to try to resolve concerns at this site.

Papohaku Ranchland

In October 2018, HEER Office staff conducted a site visit with USACE and their contractor at the former Papohaku Ranchlands Target Range on Molokai. The site was another that was "previously cleared" by USACE contractor and then later found to have significant amounts of Munitions Debris and possible munitions and

explosives of concern left at the site. USACE began a Remedial Investigation of this site in the spring/summer of 2019. The HEER Office is working very closely with USACE and our UXO consultant to oversee this project and ensure that adequate coverage of the site occurs this time. USACE contractors are using AGC at this site as well, so the HEER Office is working with USACE and our UXO/AGC consultant to ensure that the investigation using this new technology is adequate.

Molokini Island

In August 2018, the HEER Office received a report from a concerned citizen about an underwater UXO in a popular recreational diving area on this island of the coast of Maui. Molokini is a FUDS under the jurisdiction of USACE, however, USACE had not prioritized this site for investigation or remediation yet. The HEER Office contacted the Department of Land and Natural Resources (DLNR) and the Navy to arrange for a response to the reported UXO and three potential UXO that were described by the dive tour operator. In November 2018, Navy divers investigated the items and confirmed two UXO at the four reported locations. One UXO appears to be a 2,000-lb bomb at approximately 46 feet of depth and the other appears to be a 500-lb bomb at approximately 110 feet of depth. The Navy proposed a plan to remove the two UXO using “low order” detonation procedures in the summer of 2019 (following the end of the whale season). However, DLNR expressed concerns about the potential damage to the reef and sea life from detonating the UXO in place and put a hold on the action. The HEER Office considers all UXO to be a potential threat to human life due to the risk of explosion, even though the probability of a 75-year-old bomb exploding may be slight. In FY2020 the HEER Office worked with USACE to re-prioritize this site for CERCLA Remedial Investigation which is anticipated to begin in 2022. In the meantime, HDOH is working with USACE’s Interim Risk Management project manager to continue educational outreach and design signage for the site. In the summer of 2020, the HEER Office met with USACE, the Navy, and DLNR and requested an official Risk Assessment of the two known UXO to determine if they could be left in place until the Remedial Investigation is conducted. With pressure from the community and lawmakers, and consensus among the parties, it was determined that with Institutional Controls put in place and managed by DLNR, the UXO should not pose a risk until they can be adequately addressed by USACE.

Public Outreach and Interim Risk Management (IRM) Education

In the first two quarters of FY2020, the HEER Office participated in Public Outreach events sponsored by the US Army Corps of Engineers on Hawaii Island and went door-to-door with USACE to recreational diving businesses on Maui. The Hawaii Island outreach programs are conducted at elementary schools as well as public events (such as festivals and farmers’ markets) where the US Army Corps of Engineers spreads their “3Rs of UXO Safety: Recognize, Retreat, and Report” message. The HDOH presence at these events reinforces the message to the public that the State of Hawaii and the Department of Defense are working together for their safety. The HEER Office has also been working with the US Army Corps of Engineers’ IRM group on Maui and Oahu, to help design signage and work with the County governments and other stakeholders to determine the optimal placement of signs to communicate the 3Rs safety message. We also conducted our own outreach to inform the public about ‘residual risk’ from UXO and the AEHMP Guidance for UXO Safety and safe redevelopment in the Waikoloa/Waimea area. Due to COVID-19 restrictions, during the last half of FY2020, outreach activities moved on-line and mostly consisted of conference calls with various stakeholders, including Parker Ranch, DOE, DHHL, and private developers regarding the AEHMP Guidance for the Waikoloa Maneuver Area.

Exploring New Technology

As previously mentioned, the US Army Corps of Engineers performed a limited test of AGC technology at the former He’eia Kea Combat Training site in early 2017 which was largely unsuccessful. However, USACE is planning to use the technology in Area BOQJ-Cleared in the Waikoloa Maneuver Area and has already begun using at Papohaku Ranchland on Molokai in the next year. This technology is promising because it is capable identifying buried UXO items without having to dig them up, by comparing the electromagnetic signal measurements to a library of measurements from known objects. The technology is designed to save money on projects by reducing the number of digs at a site. However, AGC has limited applications in areas of dense metallic debris, difficult terrain, and soil with high iron content – all of which are often found at Hawaii MMRP sites. In September 2018, the HEER Office sub-contracted a UXO and AGC expert, UXOPro, to assist in reviewing documents related to AGC and provide HEER Office staff with advice and guidance. The HEER Office looks forward

to testing the real-world applications of this technology here in Hawaii.

Development of Other Programmatic Approaches to Managing Areawide Contamination Across the State

A Programmatic EHMP has been prepared to manage contamination at all State-owned Airports. The final Programmatic EHMP was completed October 2019. In conjunction with the Programmatic EHMP for all State-owned Airports, the HEER Office also reviewed and provided comments on the State of Hawaii Department of Transportation – Airports Division’s updated bid specs that address the proper handling and management of contaminated media during construction.

Petroleum Terminal Environmental Hazard Management Plans (EHMPs)

Because the UST Section of the SHWB only regulates UST and not ASTs, the HEER Office manages active fuel terminal sites to investigate previous and current releases. Two of the terminal sites in Honolulu are the Former Chevron Honolulu Terminal Marine (HTM) and the Former Shell Honolulu Terminal Site. The former transitioned in 2016 from Chevron to Island Energy Services (IES), LLC. The latter is currently operated by Aloha Petroleum. Both sites had releases over many years and have shut down active remedial systems. Development and updates of the EHMPs for these two sites have stalled due to current updates of the conceptual site model needed in light of new threats at these sites, which need mitigation. Both sites are generating high levels of methane due to significant petroleum contamination in the subsurface. The responsible parties are required to mitigate the high methane concentrations the both sites to prevent potential offsite migration and associated potential endangerment of offsite receptors. During this Fiscal Year, both Shell and Island Energy implemented vapor mitigation measures after continued pressure from the HEER Office for mitigation. Methane concentrations at the two terminals have since decreased, but long-term monitoring and mitigation are likely necessary since petroleum remains in the subsurface, acting as a continuous source of methane, and the impervious surface expression does not allow for entry of oxygen from the surface into the subsurface. It is unknown, but highly probably that sea-level rise may exacerbate methane formation under the fuel terminals. Mitigation measures need to be incorporated into the EHMPs.

Interim site-specific EHMPs have also been drafted for former Chevron (Now Island Energy) petroleum oil

terminals in Kahului Harbor on Maui, Hilo Harbor on Hawai’i Island, and at Port Allen on Kaua’i. Aloha Petroleum has also drafted Interim site-specific EHMPs for their terminals in Hilo, Hawai’i Island, in Kahului Harbor on Maui, and the Barber’s Point on Oahu, which are currently being updated. The EHMPs serve as comprehensive summaries of all known soil and/or groundwater contamination issues at the terminal sites and provide details on plans for cleanup or management of oil contamination known. The EHMPs also provide an analysis of existing data gaps to be addressed in the future or as opportunity may allow. HEER anticipates periodic meetings with the three major oil companies to continue to update/revise and fill data gaps identified in the initial Interim EHMPs for these facilities.

Brownfields Redevelopment Program

A Brownfields property is defined as any real property that is contaminated or potentially contaminated whose redevelopment is hampered because of the contamination or perceived contamination. In support of the EPA Brownfields Program the HEER Office provides resources and technical assistance to Brownfields grantees and applicants in the assessment and cleanup of contaminated properties for redevelopment. In 2019, the HEER Office provided technical support to the following Brownfields grants awardees:

- a) The City and County Transit Oriented Development as 2018 recipient of \$ \$700,000.00 Brownfields Assessment Grant.
- b) Honolulu Authority for Rapid Transit as 2018 recipient of \$600,000 clean-up grant and \$300,000 assessment grant.
- c) Liliha Civic Center as recipient of EPA Targeted Brownfields Assessment Grant. Department of Health, HEER Office applied for TBA grant on behalf of Department of Accounting and General Services to assess the Iwilei Liliha old railway station. This area is planned to be developed to mixed -used project consisting of multi-family affordable housing, office space/civic center, parking and other incidental uses. The Phase II Site Investigation is already completed. In 2020, a scoping session on the Analysis of Cleanup Alternatives with all the stakeholders was conducted
- d) Former Aiea Sugar Mill – HEER Office is assisting City and County and EAH (a non-profit organization) in investigating the Former Aiea

Sugar Mill to be developed to Senior affordable housing.

- e) Samuel Mahelona Hospital – County of Kauai was granted a TBA grant for the assessment and cleanup of Samuel Mahelona Hospital to support planned expansion and redevelopment of the facility. HEER Office provided technical support in preparation of the sampling and analysis plan.
- f) Kapiolani Community College Cannon Club Culinary Institute of the Pacific. This site was granted an EPA assessment grant. Technical assistance in the preparation of the Phase I All Appropriate Inquiry and the sampling and analysis plan was provided by the HEER Office. Kapiolani Community College plans to develop the site to a Signature restaurant and a Demo Auditorium for the University of Hawaii, Kapiolani Community College.

First Virtual Brownfields Virtual Workshop

Brownfields Forums and workshops are an essential outreach tool to help local communities identify, prioritize and redevelop properties with known or suspected contamination. After many years of hosting large events every couple of years in Honolulu, we have expanded our focus to actively engage with other counties.

As a result of the COVID-19 pandemic, the HEER Office decided to conduct the First Hawaii Brownfields Virtual Workshop to be held on July 28 and 29, 2020.

Preliminary discussion of the agenda, speakers, scope of the workshop, invitees and EPA grants availability was initiated. This First Brownfields Virtual Workshop will be conducted in collaboration with EPA and Center for Creative Land Recycling. An invite email-blast was sent out to targeted audiences. As part of the coming year mission to collaborate and exchange information with Pacific Islands and Territories, it was decided to include and invite CNMI, EPA Guam and American Samoa in the virtual workshop.

Policy and Guidance Development

Because HRS 128D requires private parties to investigate and clean up contamination under State oversight, having clear, understandable guidance on rapid, protective and cost-effective investigation and cleanup techniques is crucial. ERRF and SRP funded staff positions and expert consulting prepare state-of-the-art

technical guidance for the investigation and cleanup of contaminated properties. The complete on-line Technical Guidance Manual is found at: <http://www.hawaiiidoh.org>

HEER Office Publishes First in the US Tropical Risk Assessment Guidance for Coastal Marine Environments

In November 2018, HEER posted a new TGM section (Section 21), entitled “Environmental Risk Assessment Guidance for Marine Coastal Environments” to provide specific guidance on how to investigate contaminant impacts in Hawaii’s unique nearshore environment. This guidance fills a crucial gap in existing aquatic risk assessment guidance focusing on temperate climates, habitats and organisms very unlike our unique nearshore reef systems.

New Directions in Assessment and Cleanup Methods

HEER routinely updates the on-line HEER Office Technical Guidance Manual (TGM) to provide state of the art direction to environmental consultants and other interested parties on strategies and methods for assessment, remediation, and closure of brownfields and other contaminated properties.

A key part of this work is identifying and testing new investigation and cleanup methods that improve outcomes and save costs. This year, new non-invasive geophysical assessment tools including resistivity and carbon flux traps methods were investigated and show promising results. Results are expected to be summarized in future TGM updates.

In-House and Webinar Training (Available on YouTube)

The HEER office webinar series was launched in 2015 to provide training to State, County and Federal Agencies along with the environmental consultant community to develop a shared understanding of the latest scientific, technical, and policy development affecting cleanups in Hawai’i. The HEER Office also routinely works with these stakeholders as we update the Technical Guidance Manual for the Implementation of the Hawai’i State Contingency Plan (TGM). This fiscal year, HEER staff provided several training modules as seminars and Webinars to develop a shared stakeholder understanding of the latest scientific, technical, and policy development affecting cleanups in Hawai’i. Webinars were then broadcasted on HEER’s YouTube channel. Some of the seminars/webinars were held by subject matter experts from the industry.

The following seminars/webinars were conducted. Webinar/Seminar material can be accessed via the following website:

<http://eha-web.doh.hawaii.gov/eha-cma/Leaders/HEER/Webinar>

- August 2018, Total Petroleum Hydrocarbon (TPH) Risk Case Studies (2 Part Webinar)
- August 2018, Decision Unit-Multi-Increment Sampling (DU-MIS) For Polychlorinated Biphenyls (PCBs)- presented originally to USEPA PCB coordinators who work under Toxic Substances Control Act (TSCA) regulations (2 Part Webinar)
- September 2018, DU-MIS for Sediments
- February 2019, DU-MIS Overview and Risk-Based Site Characterization
- July 2019, Fake Data? Sampling Theory and Environmental Investigations
- June 29-30, 2020. PFAS Transport, Fate and Remediation

These trainings are designed to increase the quality and compliance of environmental investigations submitted for regulatory review, allowing the HEER Office to provide streamlined oversight for trained consultants. By making them available online, we can reach a wider audience and gain much more regulatory consistency.

Intensive Redevelopment in Kakaako and Surrounding Ala Moana Shopping Center

Since the mid-1900s, land use in Kakaako has been classified as mixed light industrial. Due to the importing of fill material and historic industrial uses such as service stations, auto-repair and dry cleaning, pockets of contamination in soil, groundwater and soil vapor may be present throughout the area. The most common impacts are from petroleum, heavy metals and solvents. With many properties being redeveloped, contamination caused by these historic operations is being uncovered and needs to be evaluated to protect future users of the property.

The HEER Office continues to work closely with responsible parties that include developers and property owners in the Kakaako area to properly investigate, remediate and manage the contamination at several redevelopment sites. The HEER Office has been providing close oversight and requested additional assessment for the planned Hawaii City Plaza Condominium site, where a previously industrial site that included dry cleaning and automobile maintenance activities is planned to be

developed into a primarily residential use site. Coordination with the City and County Department of Design and Construction has occurred during its planned repaving activity in Kakaako.

Community Involvement and Public Participation

Identifying potential hazards in our communities and keeping the public informed about decisions and safe management of contaminated properties remains a key priority for the HEER Office. The HEER Office frequently partners with the USACE at public outreach events in the Waikoloa Maneuver Area to ensure the safety of residents as well as tourists visiting the area. The HEER Office, DLR, and the USACE have collaborated to design Interactive signs for other FUDS such as 'Ahihi Kina'u (Kanaheha Point). The signage incorporates historical and cultural information along with safety information to minimize the fear that traditionally comes with UXO safety warnings. Similar signage is currently being prepared for Rabbit Island and Makapu'u on Oahu. In September 2018, the HEER Office participated in an outreach with USACE at a fishing tournament in Waimanalo to inform residents and participants about UXO in the offshore waters. In addition to outreach activities with USACE, the HEER Office is developing its own outreach program to inform residents and workers in the Waikoloa Maneuver Area about the new UXO AEHMP guidelines.

Interagency Program Support

ERRF funded remedial project managers work directly with State and County agencies to identify contaminated properties they own or control, and then to provide advice and oversight for needed investigations, risk management activities and redevelopment planning efforts.

Expert Consulting

Using ERRF funding, the HEER Office makes strategic use of expert consultants under our Non-Emergency Services contract to assist with complex technical decision making on high priority sites, VRP sites, and properties with commingled contamination with multiple responsible parties. Consultant costs are cost recoverable for work under VRP, Fast Track, Voluntary Agreements, or Orders. On other projects, where investigations lead to identification of responsible parties, costs expended from the ERRF may also be cost recovered. In FY2020, HEER used contract expertise to support technical decision making by remedial project managers on UXO and petroleum sites.

128D RESPONSE PROGRAM SITE LISTS 2020

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Sites Eligible for Possible Listing Under CERCLA

Three Hawaii sites are listed on the EPA National Priority List (NPL). Costs for site investigation and cleanup are being borne by the responsible parties. The state is not obligated to contribute to cleanup or future operation and maintenance costs.

List of EPA NPL Sites - FY2020

| | <u>Island</u> | <u>Locality</u> | <u>Facility/Site Name</u> |
|---|---------------|--|----------------------------------|
| 1 | Oahu | Kunia | Del Monte Corp (Oahu Plantation) |
| 2 | Oahu | Navy, Naval Computer and Telecommunications Area Master Station-Pacific | NCTAMSPAC Center Street |
| 3 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Naval Complex |

List of Sites Eligible for Possible Listing Under EPA CERCLA - FY2020

| | <u>Island</u> | <u>Locality</u> | <u>Facility/Site Name</u> |
|---|---------------|-----------------|--|
| 1 | Oahu | Waialua | Waialua Sugar Company Inc and Waialua Sugar Mill Settling Ponds |
| 2 | Kauai | Kekaha | Kekaha Sugar Mill |
| 3 | Oahu | Kailua | Kapaa Landfill - Kapaa Quarry Road |
| 4 | Oahu | Honolulu | Kapalama Incinerator and Kapalama Incinerator Off Site Contamination |
| 5 | Molokai | West Molokai | Kalamaula Landfill |
| 6 | Hawaii | Hilo | Hawaii Cane Products Plant - Waiakea Pond |
| 7 | Oahu | Kailua | Honolulu Skeet Club |
| 8 | Oahu | Honolulu | Pukoloa Wood Treating Site |

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The Hawaii State Response Program (HSRP) Chemical Release Notification Log

The Hawaii State Response Program Release Notification Log shows a listing of all chemical and petroleum release notifications received by the HEER Office emergency response team during the fiscal year. The Release Notification Log is sorted in order of Island, Locality, and the Case Name.

The FY2020 Release Notification Log lists 391 hazardous substance and petroleum release notifications managed by the HEER Office State On-Scene Coordinators (SOSCs). 275 cases were directly related to the release of petroleum related substances.

HEER Office SOSCs performed direct oversight on 147 cases requiring on-site visits or off-scene coordination. 85 cases were referred to other agencies.

HEER Office SOSCs actively participated in 15 oil and chemical release drills working with various commercial and response organizations.

HEER Office Emergency Response Actions - FY2020

| <u>Release Notifications*</u> | <u>Oil-Related Responses</u> | <u>Other</u> | <u>Direct On-site or Off-site SOSC Oversight</u> | <u>Cases Referred</u> |
|-------------------------------|------------------------------|--------------|--|---|
| 391 | 275 | 126 | On-site: 37 Off-site: 110 | To HEER SDAR: 33 To Other Agencies: 52 |

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HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|---|--------------------|-----------------------------|-----------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 1 | Oahu | Potential Release from a Grounded Vessel | 20190703-0537 | Diesel Oil/Marine Gas Oil | Ocean |
| 2 | Oahu | Unknown Substance on Ocean Off Makaha Coast | 20190703-1125 | Liquid | Ocean |
| 3 | Hawaii | Potential UST Leak from Texaco Gas Station in Hilo | 20190703-1720 | Diesel Oil/Marine Gas Oil | Soil |
| 4 | Oahu | Car Slid into Kahului Harbor | 20190704-0737 | Gasoline | Ocean |
| 5 | Oahu | Alarm at Hawaii State Labs | 20190705-2217 | None | Within Facility |
| 6 | Oahu | Fish Kill in Kewalo Basin | 20190706-1411 | Unknown | Ocean |
| 7 | Oahu | Diesel Spill at Kalaeloa Harbor, Pier 5 | 20190707-1911 | Diesel Oil/Marine Gas Oil | Ocean |
| 8 | Oahu | "Ola Olena" boat sinking at slip, Ala Wai boat harbor | 20190708-0820 | Diesel Oil/Marine Gas Oil | Ocean |
| 9 | Oahu | PAR pipeline leak, Pearl Harbor area | 20190708-1310 | Jet Fuel/Kerosene | Soil |
| 10 | Oahu | "Nunui" Dumping | 20190708-1533 | Waste Oil | Ocean |
| 11 | Oahu | Single Point Mooring Pipeline Upgrade | 20190709-1341 | Crude Oil | Groundwater |
| 12 | Maui | MECO Pad Mounted Transformer #19558 - 140 Hookele St., Kahului, HI | 20190710-0914 | Mineral Oil/Transformer Oil | Storm Drain |
| 13 | Hawaii | HELCO Transformers (3) Release Pole 5-Milo St. Ookala | 20190711-1645 | Mineral Oil/Transformer Oil | Soil |
| 14 | Oahu | Refinery Flare release- Pilot failure | 20190712-0625 | Gas | Air |
| 15 | Oahu | Report of used Syringes on property (DHS Drop Box) | 20190715-1334 | Container | Drum/Container |
| 16 | Oahu | Fish Kill at Ala Wai Small Boat Harbor | 20190716-1020 | Unknown | Ocean |
| 17 | Oahu | Par West pin holes in epoxy seal Eff. Oxi Tank | 20190716-1536 | Liquid | Groundwater |
| 18 | Oahu | C/C of Honolulu Refuse Division release | 20190716-1600 | Diesel Oil/Marine Gas Oil | Asphalt |
| 19 | Oahu | Honolulu Disposal Truck Hydraulic Spill | 20190717-1315 | Hydraulic Oil | Asphalt |
| 20 | Oahu | C/C Honolulu backhoe hydraulic hose rupture Kaneohe | 20190722-0814 | Hydraulic Oil | Vegetation |
| 21 | Oahu | HECO Transformer Leak #70805 | 20190722-1220 | Mineral Oil/Transformer Oil | Soil |
| 22 | Oahu | PAR East blast at Catalyst Reforming Unit | 20190722-1403 | Unknown | Air |
| 23 | Oahu | Alleged daily ocean dumping of sewage by tour boat near Kahe Point Beach Park, Oahu | 20190722-1626 | Sewage | Ocean |
| 24 | Oahu | Foss Maritime tug hydraulic oil hose ruptures | 20190722-1728 | Hydraulic Oil | Ocean |
| 25 | Oahu | Propane leak Navy Shipyard, Pearl Harbor | 20190723-0834 | Compressed Gas Cylinder | Air |
| 26 | Oahu | HECO Release Transformer #72764 | 20190723-0952 | Mineral Oil/Transformer Oil | Soil |
| 27 | Oahu | Malathion odor response by HFD, Kaimuki | 20190723-1247 | Malathion | Air |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|---|--------------------|---------------------------|--------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 28 | Oahu | Ala Moana Shopping Center Makai Food Court evacuation | 20190723-1711 | Unknown | Air |
| 29 | Oahu | Dust complaint Waialua | 20190724-1144 | Powder | Air |
| 30 | Oahu | MasterSeal M200 spill Kalaeloa Boulevard, Kapolei | 20190725-1207 | Liquid | Asphalt |
| 31 | Oahu | Waste oil spill Pearl Harbor Shipyard | 20190725-1641 | Waste Oil | Concrete |
| 32 | Oahu | Kapalama Container Terminal Project (aka KMR) Portland Cement release | 20190726-1602 | Powder | Asphalt |
| 33 | Oahu | Strong Malathion odor, North Shore, Oahu | 20190726-1749 | Malathion | Air |
| 34 | Oahu | Motor Oil Spill in Loading Area at Pearl Harbor | 20190729-1015 | Lube Oil/Motor Oil | Asphalt |
| 35 | Maui | Camp One Dump | 20190731-0835 | Asbestos (friable) | Soil |
| 36 | Oahu | USS Port Royal Paint Spill | 20190801-1931 | Paint (Oil-based) | Ocean |
| 37 | Oahu | Skin Irritation After Paddling in the Area | 20190803-1040 | Unknown | Ocean |
| 38 | Oahu | Unknown Oil Spill from Tow Truck Yard | 20190806-0823 | Lube Oil/Motor Oil | Concrete |
| 39 | Oahu | Diesel spill Joint Traffic Management Center, Honolulu | 20190806-1024 | Diesel Oil/Marine Gas Oil | Gravel |
| 40 | Kauai | Maverick Helicopters Port Allen, Kauai | 20190807-1618 | None | Soil |
| 41 | Oahu | American Challenger tugboat diesel spill, Honolulu Harbor | 20190808-1020 | Diesel Oil/Marine Gas Oil | Ocean |
| 42 | Oahu | R/V Little Toot DOC 555183 | 20190808-1518 | Oily Water Mixture | Ocean |
| 43 | Oahu | Submerged sailboat MCBH's Marina | 20190809-1024 | None | Ocean |
| 44 | Oahu | Oil Spill at Pearl Harbor, Pier B-17 | 20190809-1240 | Other | Ocean |
| 45 | Oahu | IES Jet fuel pipeline release | 20190811-1040 | Jet Fuel/Kerosene | Soil |
| 46 | Kauai | Coolant spill Lihue airport | 20190812-1132 | Ethylene glycol | Asphalt |
| 47 | Oahu | Mysterious sheen Honolulu Harbor pier 31 | 20190813-0706 | Unknown | Ocean |
| 48 | Oahu | HIARNG diesel spill @ B117 | 20190813-1333 | Diesel Oil/Marine Gas Oil | Concrete |
| 49 | Lanai | Boat fire off Shipwreck Beach, Lanai | 20190813-1506 | None | Ocean |
| 50 | Oahu | Leaking gasoline pump Shell Gas Station, Aiea | 20190813-1707 | Gasoline | Concrete |
| 51 | Oahu | Drums on side of road | 20190814-1140 | Unknown | Soil |
| 52 | Oahu | Grace Pacific hydraulic oil spill at Kaiser Hospital, Red Hill | 20190814-1352 | Hydraulic Oil | Asphalt |
| 53 | Oahu | West Oahu Aggregate hydraulic Oil Spill | 20190815-1333 | Hydraulic Oil | Asphalt |
| 54 | Kauai | Vessel washed ashore Waimea Beach, Kauai | 20190815-1454 | Gasoline | Sand |
| 55 | Oahu | Lots of bubbles and filmy substance on water, White Plains Beach | 20190816-0605 | Unknown | Ocean |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|--|--------------------|-----------------------------|-----------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 56 | Maui | Hale Makua Health Services Chlorine incident | 20190816-0934 | Chlorine | Air |
| 57 | Kauai | Abandoned vessel "Lady Hawk II" Hanalei Bay, Kauai | 20190816-1454 | Diesel Oil/Marine Gas Oil | Ocean |
| 58 | Oahu | HECO Copper Exceedance | 20190816-1542 | Wastewater | Ocean |
| 59 | Kauai | Sailboat grounded on break wall @ Hanamaulu Bay, Kauai | 20190816-1649 | Diesel Oil/Marine Gas Oil | Ocean |
| 60 | Oahu | Fishing boat capsized outside Waianae Boat Harbor | 20190818-0544 | Gasoline | Ocean |
| 61 | Oahu | Sheen on Groundwater from HART Excavation | 20190819-1825 | Unknown | Groundwater |
| 62 | Oahu | Filmy substance on water and lots of persistent bubbles, White Plains Beach | 20190820-0612 | Unknown | Ocean |
| 63 | Oahu | Pick-up Crashed into Drainage Ditch by Temple Valley | 20190822-1539 | Gasoline | Stream |
| 64 | Molokai | Molokai lead contamination | 20190822-1540 | Lead | Soil |
| 65 | Oahu | Out Board Motor in Water in Ala Wai Harbor | 20190823-0943 | Gasoline | Ocean |
| 66 | Oahu | Unknown Sheen at Pier 31 in Honolulu Harbor | 20190823-1303 | Unknown | Ocean |
| 67 | Oahu | Possible Paint in the Ala Wai Canal | 20190824-1453 | Liquid | Other |
| 68 | Maui | Drums on Honualua Property | 20190826-1449 | Used Oil | Within Facility |
| 69 | Oahu | Dewatering Discharged onto another property | 20190826-1701 | Water | Soil |
| 70 | Oahu | Unknown Sheen, unknown source | 20190826-1915 | Oil | Other |
| 71 | Oahu | Kanai Trucking, LLC 18xwheeler hydraulic fluid release | 20190827-1300 | Hydraulic Oil | Soil |
| 72 | Oahu | Red Dye Testing | 20190827-1512 | Solid Waste | Ocean |
| 73 | Maui | MECO Transformer No. 15248 | 20190827-1838 | Mineral Oil/Transformer Oil | Concrete |
| 74 | Oahu | Sewage Spill from USS Hawaii | 20190827-1900 | Sewage | Ocean |
| 75 | Oahu | Unknown Substance in Ala Wai Canal | 20190829-0852 | Liquid | Stream |
| 76 | Oahu | Lube Oil from Tow Line Dripped into Harbor | 20190829-1100 | Lube Oil/Motor Oil | Ocean |
| 77 | Oahu | Petroleum impacted soil | 20190830-1006 | Gasoline | Soil |
| 78 | Oahu | Possible Misuse of Round-Up | 20190904-1440 | Liquid | Soil |
| 79 | Kauai | PAR Hawaii Jet A spill Nawiliwili | 20190908-1231 | Jet Fuel/Kerosene | Ocean |
| 80 | Oahu | USS Hawaii cooking oil spill | 20190908-1745 | Edible/Vegetable Oil | Ocean |
| 81 | Oahu | Marisco night-time sand blasting activities, Barbers Point Deep Draft Harbor | 20190908-1836 | Powder | Ocean |
| 82 | Oahu | Oil spill @ HI DOT's sed oil accumulation area, Honolulu Harbor pier 17 | 20190909-1524 | Used Oil | Concrete |

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| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
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| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 83 | Oahu | Petroleum Contamination with Water Main Break | 20190912-1150 | Unknown | Groundwater |
| 84 | Oahu | HECO Pad-Mount Transformer No. 68441 Oil Release | 20190912-1446 | Mineral Oil/Transformer Oil | Soil |
| 85 | Oahu | Unknown Sheen in Honolulu Harbor Pier 32 | 20190913-2308 | Unknown | Ocean |
| 86 | Oahu | Boat Run Aground at Baby Makapuu | 20190914-0052 | Diesel Oil/Marine Gas Oil | Ocean |
| 87 | Oahu | Unknown Sheen Reported Near Fort DeRussy | 20190914-1037 | Unknown | Ocean |
| 88 | Oahu | F/V Miss Emma on fire | 20190917-1730 | Diesel Oil/Marine Gas Oil | Ocean |
| 89 | Hawaii | Complaint: Chemical odor from bunker | 20190919-1445 | Unknown | Air |
| 90 | Oahu | Brom-o-gas 2% abandoned cylinders | 20190919-1508 | Methyl bromide | Within Facility |
| 91 | Oahu | Abandoned Drum Coral Sea Road | 20190921-0754 | Oil, Waste | Drum/Container |
| 92 | Oahu | Unknown Sheen | 20190922-1609 | Oil | Ocean |
| 93 | Niihau | Grounded vessel Niihau | 20190923-0719 | None | Coral |
| 94 | Oahu | Project - Bird trailer relocation to Honolulu Zoo | 20190923-0800 | None | Asphalt |
| 95 | Oahu | Military vehicle hydraulic oil leak Schofield Barracks | 20190923-1313 | Hydraulic Oil | Asphalt |
| 96 | Oahu | Filmy substance on water and persistent bubbles - White Plains Beach, Kapolei | 20190924-0700 | Unknown | Ocean |
| 97 | Oahu | Malathion sprayed at residential house, Aina Haina | 20190924-1555 | Malathion | Concrete |
| 98 | Oahu | USS North Carolina submarine mysterious sheen, Pearl Harbor | 20190925-1319 | Oil | Ocean |
| 99 | Oahu | HECO Transformer Pad Mount #70843 | 20190926-0834 | Mineral Oil/Transformer Oil | Soil |
| 100 | Oahu | HECO Pad-Mount Transformer # 68442 | 20190926-0842 | Mineral Oil/Transformer Oil | Soil |
| 101 | Oahu | West Oahu Aggregate fuel spill @ Hoonee Place | 20190926-1011 | Diesel Oil/Marine Gas Oil | Soil |
| 102 | Oahu | Boat illegally docked at Ala Wai Boat Harbor | 20190926-1143 | Oil | Ocean |
| 103 | Oahu | Chlordane contamination discovery at Solomon Elementary, Wahiawa | 20190927-0920 | Chlordane | Soil |
| 104 | Oahu | 30' sailboat "Keanui Kai" grounding, Magic Island | 20190930-1119 | Gasoline | Ocean |
| 105 | Oahu | Sheen, Honolulu Harbor pier 31 | 20190930-1259 | Oil | Ocean |
| 106 | Oahu | Diesel Release from a Day Tank for an Emergency Generator | 20191004-1525 | Diesel Oil/Marine Gas Oil | Soil |
| 107 | Kauai | Capsized Vessel on Napali Coast | 20191006-1110 | Diesel Oil/Marine Gas Oil | Ocean |
| 108 | Maui | Potential Canec in House | 20191007-1213 | Canec | Other |
| 109 | Oahu | USS Arizona Memorial oil discharge | 20191009-1042 | Oil | Ocean |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|--|--------------------|-------------------------------|-----------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 110 | Oahu | USS Arizona Continual Oil Release | 20191009-1100 | Oil | Ocean |
| 111 | Oahu | 868 Queen Street Release | 20191009-1243 | Oil, lead | Soil |
| 112 | Oahu | Unknown Sheen, unknown source | 20191010-1208 | Diesel Oil/Marine Gas Oil | Ocean |
| 113 | Oahu | Par - IES Pipeline Manifold Tie-in Contaminated Soil | 20191011-1038 | Other | Soil |
| 114 | Oahu | TheBus No. 206 Engine Oil Release | 20191011-1248 | Lube Oil/Motor Oil | Asphalt |
| 115 | Oahu | Contaminated Soil Discovered During Rail Excavation | 20191011-1413 | Oil | Groundwater |
| 116 | Oahu | Diesel Spill from Refueling at Pearl Harbor | 20191014-1440 | Diesel Oil/Marine Gas Oil | Ocean |
| 117 | Oahu | Unknown Sheen, unknown source | 20191016-0815 | Oil | Ocean |
| 118 | Oahu | Food Oil Dumping at Restaurant | 20191018-0720 | Edible/Vegetable Oil | Soil |
| 119 | Oahu | HECO transformer No. 34418 release | 20191018-1545 | Mineral Oil/Transformer Oil | Soil |
| 120 | Oahu | HECO transformer No. 68843 leak | 20191021-0755 | Mineral Oil/Transformer Oil | Soil |
| 121 | Kauai | Grounded sailboat Nawiliwili Small Boat Harbor | 20191021-2019 | Diesel Oil/Marine Gas Oil | Ocean |
| 122 | Kauai | Pacific Missile Range Jet A spill | 20191022-1059 | Jet Fuel/Kerosene | Asphalt |
| 123 | Oahu | YK Drilling hydraulic oil spill, Aiea | 20191022-1134 | Hydraulic Oil | Asphalt |
| 124 | Hawaii | Herbicide application complaint, Pa'auilo, Big Island | 20191022-1331 | Herbicide | Soil |
| 125 | Oahu | USCG Cutter Kimball lubricating oil spill, Honolulu Harbor | 20191023-1522 | Lube Oil/Motor Oil | Ocean |
| 126 | Maui | Grounded sailboat "Lani Kua", Olowalu, Maui | 20191024-0917 | Diesel Oil/Marine Gas Oil | Ocean |
| 127 | Oahu | Fallen HECO transformer, Kaneohe | 20191024-2200 | Vegetable Oil/Transformer Oil | Storm Drain |
| 128 | Oahu | transformer leaking Schofield Barracks WWTP | 20191025-1130 | Mineral Oil/Transformer Oil | Soil |
| 129 | Oahu | Hydrochloric Acid spill Pearl Harbor Dry Dock 2 | 20191025-1236 | Hydrochloric acid | Concrete |
| 130 | Oahu | Leaking Pad-mount transformer, Wheeler Army Airfield | 20191025-1323 | Mineral Oil/Transformer Oil | Soil |
| 131 | Kahoolawe | Grounded sailboat, Kahoolawe | 20191027-1227 | Diesel Oil/Marine Gas Oil | Ocean |
| 132 | Oahu | Car drove into Ala Wai Boat Harbor | 20191028-0017 | Gasoline | Ocean |
| 133 | Oahu | USS Chung Hoon Release | 20191029-1412 | Diesel Oil/Marine Gas Oil | Ocean |
| 134 | Oahu | Demolition of Jet Fuel Line | 20191030-1439 | Jet Fuel/Kerosene | Within Facility |
| 135 | Oahu | USN Warship 90 Lube Oil Release | 20191031-0000 | Lube Oil/Motor Oil | Ocean |
| 136 | Oahu | Bubbles on water at White Plains Beach | 20191031-0630 | Unknown | Ocean |
| 137 | Oahu | Bubbles and filmy substance on water, White Plains Beach | 20191101-0620 | Unknown | Ocean |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|---|--------------------|-------------------------------|--------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 138 | Oahu | Pier 31 Petroleum Odor | 20191101-1243 | Unknown | Air |
| 139 | Maui | Allegations of illegal dumping | 20191101-1535 | Biohazard/Medical Waste | Soil |
| 140 | Oahu | Contamination Found in Pipe During HART Excavation | 20191101-1540 | Unknown | Soil |
| 141 | Oahu | Gate B4 Jet fuel Release | 20191102-0830 | Jet Fuel/Kerosene | Concrete |
| 142 | Oahu | Allegation of diesel dumping into Pokai Bay | 20191105-1411 | Diesel Oil/Marine Gas Oil | Ocean |
| 143 | Hawaii | Fuel delivery overfill at gasoline station, Kamuela | 20191106-0519 | Gasoline | Asphalt |
| 144 | Oahu | HART Nimitz staging area pre-occupying environmental screening | 20191106-1036 | Lead | Soil |
| 145 | Oahu | Matson Container Ship "Kamokuiki" heavy fuel oil spill, Honolulu Harbor pier 20 | 20191106-1656 | Fuel Oil | Ocean |
| 146 | Oahu | Alleged diesel spill Ko'olina Marina | 20191107-1126 | Diesel Oil/Marine Gas Oil | Ocean |
| 147 | Oahu | Used cleaning liquid dumping, Ala Moana Shopping Center | 20191107-1138 | Liquid | Storm Drain |
| 148 | Oahu | Boat grounding Kahoolawe | 20191111-0914 | Gasoline | Ocean |
| 149 | Oahu | Grounded sailboat Magic Island | 20191111-1702 | Unknown | Ocean |
| 150 | Oahu | HECO transformer 60995 spill, Honolulu | 20191112-1536 | Vegetable Oil/Transformer Oil | Concrete |
| 151 | Oahu | Sheen on Groundwater at Board of Water Pump Station | 20191113-1554 | Unknown | Groundwater |
| 152 | Oahu | Hydraulic Spill on Dillingham Blvd. | 20191114-0939 | Hydraulic Oil | Asphalt |
| 153 | Maui | Blood Spill Cleanup Protocol | 20191114-1051 | Biohazard/Medical Waste | Sand |
| 154 | Oahu | Possible AST Leak | 20191114-1519 | None | Soil |
| 155 | Oahu | Possible Arsenic in Soil | 20191114-1536 | Arsenic | Soil |
| 156 | Kauai | Drops of Hydraulic Fluid from Pride of America | 20191115-1242 | Hydraulic Oil | Ocean |
| 157 | Molokai | MECO Pole-mount Transformers 18976, 18977, and 18972 | 20191118-1645 | Mineral Oil/Transformer Oil | Soil |
| 158 | Oahu | Hawaii Hochi contamination discovery, Kokea Street | 20191119-1558 | Oil, lead | Soil |
| 159 | Oahu | HART contamination discovery Dillingham Boulevard | 20191121-1523 | Lead | Soil |
| 160 | Oahu | HART potential contamination 1234 Kona Street | 20191121-1535 | Gas | Soil |
| 161 | Hawaii | Tub Tile Coating Odors | 20191122-1430 | Butyl acetate | Air |
| 162 | Hawaii | Alleged Paint Fumes | 20191123-0137 | Solid Waste | Air |
| 163 | Oahu | Alleged illegal painting of vehicle | 20191123-0809 | Solid Waste | Air |
| 164 | Oahu | S/V Snuggler | 20191124-1012 | Gasoline | Ocean |

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| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|--|--------------------|---------------------------------|-----------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 165 | Oahu | Brown Plume in Ala Wai Canal | 20191125-0940 | Liquid | Stream |
| 166 | Oahu | Allegations of neighbor poisoning her, Ewa Beach | 20191125-1204 | Unknown | Air |
| 167 | Oahu | Neighbor started a boat business & odors bothering Them | 20191125-1557 | Unknown | Air |
| 168 | Kauai | Grounded boat, Kapa'a | 20191126-0903 | Gasoline | Ocean |
| 169 | Oahu | Sheen around USS Michael Murphy | 20191126-1047 | Oil | Ocean |
| 170 | Kauai | Kauai High School chemical storage cabinet ill effects when opened | 20191126-1052 | Gas | Air |
| 171 | Hawaii | Fuel spill from General Aviation aircraft N4682 | 20191127-1017 | Jet Fuel/Kerosene | Asphalt |
| 172 | Oahu | NOAA's "Oscar Elton Sette" diesel spill | 20191127-1620 | Diesel Oil/Marine Gas Oil | Ocean |
| 173 | Oahu | USS William P. Lawrence | 20191130-1040 | Water | Ocean |
| 174 | Oahu | Grounded sailboat Keehi Lagoon | 20191130-1151 | Diesel Oil/Marine Gas Oil | Ocean |
| 175 | Oahu | Tajiri Lumber | 20191204-0838 | Oil | Soil |
| 176 | Oahu | Unknown Sheen in Honolulu Harbor | 20191204-0927 | Diesel Oil/Marine Gas Oil | Ocean |
| 177 | Oahu | Gasoline Spill at a Gas Station | 20191204-1740 | Gasoline | Concrete |
| 178 | Oahu | Hydraulic Oil Spill at Ford Island | 20191205-0930 | Hydraulic Oil | Ocean |
| 179 | Oahu | Contaminated Soil Discovered at Job Site | 20191205-1531 | Unknown | Groundwater |
| 180 | Hawaii | Diesel Fuel Spill into Water from Sport Fishing Vessel | 20191206-1557 | Diesel Oil/Marine Gas Oil | Ocean |
| 181 | Hawaii | Overfill on AST in Hilo | 20191209-1630 | Diesel Oil/Marine Gas Oil | Concrete |
| 182 | Oahu | Infectious Waste on Farrington Highway | 20191211-1709 | Biohazard/Medical Waste | Other |
| 183 | Oahu | Possible Contaminated Soil from HART Shaft | 20191212-1155 | Unknown | Soil |
| 184 | Maui | White Powder in Envelope | 20191212-2240 | Unknown | Within Facility |
| 185 | Oahu | AES Anhydrous Ammonia release NRC notification | 20191218-1102 | Ammonia | Air |
| 186 | Oahu | AES anhydrous Ammonia relief valve release RP notification | 20191218-1428 | Ammonia | Air |
| 187 | Maui | MECO transformer no. 16484 leak at AMFAC pump #5 | 20191219-1304 | Mineral Oil/Transformer Oil | Concrete |
| 188 | Oahu | HECO Transformer No. 71487 leak | 20191219-1312 | Mineral Oil/Transformer Oil | Soil |
| 189 | Oahu | Radioactive instrument gauges Dillingham Airfield storage yard | 20191220-0728 | Radionuclides (including radon) | Air |
| 190 | Maui | MECO transformer 9796 spill, Kauhale Makai Resort | 20191220-1120 | Vegetable Oil/Transformer Oil | Soil |
| 191 | Oahu | HFD Station 25 UST leak | 20191220-1609 | Diesel Oil/Marine Gas Oil | Soil |

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| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 192 | Oahu | Fishing boat "Kekahi Too" | 20191221-0911 | Diesel Oil/Marine Gas Oil | Ocean |
| 193 | Hawaii | Fishing boat "EZ Pickens" diesel spill while fueling | 20191222-1356 | Diesel Oil/Marine Gas Oil | Ocean |
| 194 | Hawaii | Mixture of Chemicals to Make H2S | 20191223-1033 | Liquid | Air |
| 195 | Oahu | HECO Release Transformer #36509 | 20191223-1041 | Mineral Oil/Transformer Oil | Soil |
| 196 | Oahu | HECO Release Transformer #67756 | 20191223-1109 | Mineral Oil/Transformer Oil | Soil |
| 197 | Maui | MECO Release Transformer #5720 | 20191224-1249 | Mineral Oil/Transformer Oil | Other |
| 198 | Kauai | Potential Release from a Jet Ski | 20191225-0805 | Diesel Oil/Marine Gas Oil | Ocean |
| 199 | Oahu | Roof of Makai Pier Blown Off into Ocean. | 20191226-0918 | Other | Ocean |
| 200 | Oahu | Pressure Washer Water into Pearl Harbor | 20200101-1101 | Wastewater | Ocean |
| 201 | Oahu | Former Custodian Cottage Lead Paint Release | 20200102-1111 | Lead | Soil |
| 202 | Maui | MECO Release Transformer #18060 | 20200103-1200 | Mineral Oil/Transformer Oil | Concrete |
| 203 | Oahu | Unknown sheen within vicinity of Port Royal | 20200106-0850 | Oil | Ocean |
| 204 | Oahu | Moderate oil sheen Kaiolu Street, Waikiki | 20200110-0901 | Edible/Vegetable Oil | Asphalt |
| 205 | Oahu | Navy SEAL Team rescued by USCG & C/C 1st Responders when their boats sink in Kaneohe Bay | 20200110-1501 | Gasoline | Ocean |
| 206 | Oahu | Sheen on Water in an Excavation Pit | 20200114-1017 | Unknown | Groundwater |
| 207 | Oahu | Transmission Fluid Release from USS Port Royal | 20200114-1140 | Transmission Fluid | Ocean |
| 208 | Oahu | HECO Release Transformer #73017 | 20200116-1124 | Mineral Oil/Transformer Oil | Soil |
| 209 | Oahu | HECO Transformer #71355 Leak | 20200116-1200 | Mineral Oil/Transformer Oil | Soil |
| 210 | Oahu | HECO Release Transformer #64375 | 20200116-1212 | Mineral Oil/Transformer Oil | Soil |
| 211 | Oahu | Unknown Sheen Discovered in Kalihi Stream | 20200116-1523 | Unknown | Stream |
| 212 | Oahu | Transformer Oil Release Due to Fallen Telephone Pole | 20200117-0811 | Mineral Oil/Transformer Oil | Storm Drain |
| 213 | Oahu | HECO Release Transformer #66426 | 20200117-1030 | Mineral Oil/Transformer Oil | Soil |
| 214 | Oahu | Asphalt Spill at Asphalt Plant | 20200117-1336 | Asphalt/Creosote | Asphalt |
| 215 | Kauai | Alaska Airlines fuel spills (2) Lihue Airport | 20200127-0959 | Jet Fuel/Kerosene | Concrete |
| 216 | Oahu | Safeway Beretania hydraulic oil spill | 20200127-1043 | Hydraulic Oil | Within Facility |
| 217 | Oahu | Boat "Splendour" removal concerns @ Ala Wai Boat Harbor's old dry dock. | 20200129-0944 | Oil | Ocean |
| 218 | Oahu | USS William P. Lawrence purple residue @ PH Bravo pier | 20200129-1425 | Hydraulic Oil | Ocean |

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|--|---------------|---|--------------------|-----------------------------|-----------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 219 | Oahu | Sheen Ala Wai Boat Harbor dock 60 | 20200130-0937 | Oil | Ocean |
| 220 | Oahu | HART Middle Street Transit Center petroleum discovery | 20200130-1700 | Oil | Soil |
| 221 | Oahu | Sewage Spill in building | 20200130-2030 | Sewage | Within Facility |
| 222 | Oahu | Hawaii Air Guard F22 fuel spill on Flight Line R11 | 20200131-0801 | Jet Fuel/Kerosene | Asphalt |
| 223 | Hawaii | Request for sewage spill information Naalehu area | 20200131-0903 | Sewage | Soil |
| 224 | Oahu | Abandoned UST at KCC cut open and leaked | 20200131-1117 | Diesel Oil/Marine Gas Oil | Soil |
| 225 | Maui | Sheen Molokini Island | 20200131-1238 | Oil | Ocean |
| 226 | Oahu | Sheen Ala Wai Canal McCully Bridge | 20200202-1748 | Unknown | Ocean |
| 227 | Oahu | Sheen Ala Wai Canal by Convention Center | 20200202-1801 | Unknown | Ocean |
| 228 | Oahu | Construction Material Going into Storm Drain | 20200203-1051 | Liquid | Storm Drain |
| 229 | Hawaii | Vessel Grounded Outside of Hilo Bay | 20200203-2031 | Diesel Oil/Marine Gas Oil | Ocean |
| 230 | Kauai | Auto Fluids Being Leaked on to Driveway | 20200204-0857 | Lube Oil/Motor Oil | Soil |
| 231 | Oahu | Gas Tank Washed up by USCG Station and Created Sheen | 20200205-0808 | Gasoline | Ocean |
| 232 | Oahu | Small Spill into Puddle | 20200205-0931 | Lube Oil/Motor Oil | Other |
| 233 | Oahu | Diesel Release from Pipeline at Honolulu Harbor Pier 32 | 20200205-1158 | Diesel Oil/Marine Gas Oil | Ocean |
| 234 | Oahu | Contaminated Soil from Dillingham Utility Work | 20200205-1309 | Other | Soil |
| 235 | Oahu | Black Sheen Reported by Pier 20 | 20200206-0749 | Lube Oil/Motor Oil | Ocean |
| 236 | Oahu | Reduction Oil Release from USCG Vessel | 20200206-0941 | Lube Oil/Motor Oil | Ocean |
| 237 | Oahu | Fuel Spill at Honolulu Airport Gate F1 | 20200206-1101 | Jet Fuel/Kerosene | Concrete |
| 238 | Maui | MECO Transformer #11346 Leaking | 20200206-1200 | Mineral Oil/Transformer Oil | Concrete |
| 239 | Hawaii | Kulaimano Elderly Housing contamination discovery | 20200207-1055 | Heptachlor (and epoxide) | Soil |
| 240 | Oahu | Unknown Sheen in Kewalo Basin | 20200207-1450 | Unknown | Ocean |
| 241 | Oahu | Unknown Sheen in Ala Wai Boat Harbor | 20200208-1415 | Unknown | Ocean |
| 242 | Oahu | Sailing Vessel "Prelude" Aground Near Kaimana Beach | 20200209-1555 | Diesel Oil/Marine Gas Oil | Ocean |
| 243 | Hawaii | Hydraulic Oil Spill from Drill Rig at PGV | 20200210-0716 | Hydraulic Oil | Soil |
| 244 | Maui | Pleasure Craft "Endurance" Aground | 20200210-1705 | Diesel Oil/Marine Gas Oil | Ocean |
| 245 | Kauai | Hydraulic Oil Spill at Hartung Brothers Farm | 20200211-1425 | Hydraulic Oil | Soil |
| 246 | Oahu | MCBH jet fuel discharged onto ground from secondary containment | 20200212-1026 | Jet Fuel/Kerosene | Storm Drain |
| 247 | Oahu | Oil Patches Discovered at Middle St Transfer Station Area | 20200213-1455 | Hydraulic Oil | Soil |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|---|--------------------|-----------------------------|----------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 248 | Kauai | Discharge of Substances into Storm Drain | 20200214-1612 | Petroleum Hydrocarbon | Storm Drain |
| 249 | Oahu | Sailing Vessel "Yellow Feather" HA 2815K Aground | 20200216-1121 | Gasoline | Ocean |
| 250 | Oahu | Sun Yat-Sen Memorial Park | 20200217-1549 | Diesel Oil/Marine Gas Oil | Soil |
| 251 | Kauai | Hydraulic Oil Release at Hartung farms | 20200218-0835 | Hydraulic Oil | Soil |
| 252 | Oahu | Fugitive Unknown Compressed Gas Cylinders | 20200218-1004 | Compressed Gas Cylinder | Drum/Container |
| 253 | Hawaii | Sheen in Borings Hilo Harbor pier 2 & 3 | 20200218-1640 | Oil | Groundwater |
| 254 | Oahu | DC-10 dripping fuel onto tarmac, Castle and Cooke Aviation | 20200219-0925 | Jet Fuel/Kerosene | Asphalt |
| 255 | Oahu | Abandoned cylinders Waipahu Depot Street | 20200219-1058 | Compressed Gas Cylinder | Concrete |
| 256 | Oahu | High Lead Levels Discovered Near HART Maintenance Storage Area | 20200219-1458 | Lead | Soil |
| 257 | Oahu | High Lead from Soil in HART Stockpile | 20200219-1557 | Lead | Soil |
| 258 | Oahu | Abandoned sailboat found grounded on reef, Kaneohe Bay | 20200220-1331 | Diesel Oil/Marine Gas Oil | Coral |
| 259 | Oahu | Potable Water Release into Honolulu Harbor | 20200221-0752 | Liquid | Ocean |
| 260 | Kauai | Grace Pacific topcoat washed away, Kauai | 20200221-1159 | Oil | Storm Drain |
| 261 | Oahu | Odors coming down from above unit impacts caller, Pupukahi Street | 20200221-1424 | Odor | Air |
| 262 | Oahu | HART Street boring discovers contamination | 20200221-1440 | Unknown | Soil |
| 263 | Oahu | Plane crash Dillingham Airfield | 20200222-2337 | Aviation Gasoline | Soil |
| 264 | Oahu | Boat accidental discharged residual oil | 20200223-1545 | Lube Oil/Motor Oil | Ocean |
| 265 | Kauai | Possible Oil Sheen Seen on Pond | 20200224-0836 | Liquid | Stream |
| 266 | Hawaii | Possible Misuse of Pesticides | 20200225-0900 | Pesticides | Air |
| 267 | Oahu | HECO Transformer #71337 Release | 20200226-0903 | Mineral Oil/Transformer Oil | Soil |
| 268 | Oahu | HECO Transformer No. 56868, Release | 20200227-0931 | Mineral Oil/Transformer Oil | Soil |
| 269 | Hawaii | Arsenic in Soil Above EALS | 20200227-1200 | Arsenic | Soil |
| 270 | Oahu | Sewage Line Opened, Letting Sewage into Streets | 20200228-1413 | Sewage | Storm Drain |
| 271 | Oahu | Pepsi Truck Accident | 20200228-1440 | Diesel Oil/Marine Gas Oil | Storm Drain |
| 272 | Oahu | Possible Release from a Runaway Jet-Ski | 20200228-2035 | Gasoline | Ocean |
| 273 | Oahu | Burning of Surfboard Racks in Waikiki | 20200301-1029 | None | Sand |
| 274 | Oahu | Reported Chemical Smell at Diamond Head Alii Complex | 20200301-1232 | Gas | Air |
| 275 | Oahu | HECO Pole-mount Transformer #70914 Release | 20200302-1443 | Mineral Oil/Transformer Oil | Soil |
| 276 | Oahu | Abandoned five-gallon pail | 20200303-1109 | Used Oil | Drum/Container |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|---|---------------|--|--------------------|-----------------------------|----------------|
| | Island | Unit Name | Case Number | Substances | Media |
| 277 | Hawaii | IES Hilo Terminal Jet Fuel Spill | 20200303-1532 | Jet Fuel/Kerosene | Concrete |
| 278 | Oahu | HART Center Drive | 20200306-1754 | Hydraulic Oil | Soil |
| 279 | Oahu | Excavation exposing IES's pipeline | 20200310-0723 | Gasoline | Groundwater |
| 280 | Oahu | Island Mechanical Corp (IMC) hydraulic oil spill Young Street | 20200310-1049 | Hydraulic Oil | Asphalt |
| 281 | Oahu | Aloha Contract Services hydraulic oil spill | 20200310-1840 | Hydraulic Oil | Asphalt |
| 282 | Oahu | Dynamite disposal, Hilo | 20200314-1602 | Other | Other |
| 283 | Oahu | Vessel sinks at dock, Koko Marina | 20200315-1001 | Diesel Oil/Marine Gas Oil | Ocean |
| 284 | Molokai | Sailboat Aground Off of Molokai | 20200316-0814 | Diesel Oil/Marine Gas Oil | Ocean |
| 285 | Oahu | 3017 Nihi Street Fugitive Paint Buckets | 20200316-1203 | Solid Waste | Drum/Container |
| 286 | Kauai | Transformer Oil Spill Due to Rain and Wind | 20200316-1322 | Mineral Oil/Transformer Oil | Storm Drain |
| 287 | Oahu | Hart Project Hit a Gas Line at Kaaahi Street and Kaaahi Place | 20200316-2032 | Gas | Air |
| 288 | Oahu | Hart Project Hit a Gas Line on Dillingham | 20200317-0218 | Gas | Air |
| 289 | Oahu | Potential Release from a Sinking Boat | 20200317-0812 | Diesel Oil/Marine Gas Oil | Ocean |
| 290 | Oahu | Unknown Sheen in Pearl Harbor | 20200317-0914 | Unknown | Ocean |
| 291 | Maui | Vegetable Oil Spill from Vac truck | 20200317-1030 | Edible/Vegetable Oil | Ocean |
| 292 | Maui | Partially Submerged Vessel at Mala Mooring | 20200317-2024 | Diesel Oil/Marine Gas Oil | Ocean |
| 293 | Oahu | Gas Line Hit at Kaaahi Street from HART | 20200318-0215 | Gas | Air |
| 294 | Oahu | Possible Release of Oil from Young Brother Barge | 20200318-0752 | Unknown | Ocean |
| 295 | Oahu | Reported Oil and Auto Fluid Dumped into Storm Drain | 20200318-1310 | Lube Oil/Motor Oil | Storm Drain |
| 296 | Oahu | Forklift in Stream | 20200318-1444 | Diesel Oil/Marine Gas Oil | Stream |
| 297 | Oahu | Impounded Vessel at Keehi Harbor Sinking | 20200318-1613 | Diesel Oil/Marine Gas Oil | Ocean |
| 298 | Kauai | Fuel Spill from Damaged Fuel Tank | 20200319-1133 | Diesel Oil/Marine Gas Oil | Storm Drain |
| 299 | Oahu | Historic Contamination at an Old Midas Shop | 20200320-1530 | Hydraulic Oil | Soil |
| 300 | Hawaii | Over fuel At Honokohau Harbor | 20200321-1400 | Diesel Oil/Marine Gas Oil | Ocean |
| 301 | Oahu | Vessel Aground Near Outrigger Reef Hotel | 20200321-1755 | Diesel Oil/Marine Gas Oil | Ocean |
| 302 | Kauai | Sailboat ground Nawiliwili Harbor | 20200325-0805 | Gasoline | Sand |
| 303 | Oahu | HART Project petroleum rediscovery @ shaft 563 | 20200326-1342 | Oil | Groundwater |
| 304 | Oahu | HART petroleum discovery during potholing activities Colburn/Dillingham | 20200328-1225 | Petroleum Hydrocarbon | Soil |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|--|--------------------|-----------------------------|-----------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 305 | Oahu | Car's gas tank punctured by thief, Newtown Recreation Center | 20200330-0938 | Gasoline | Asphalt |
| 306 | Oahu | USCG Cutter Midgett Diesel Spill, Honolulu Harbor | 20200331-0926 | Diesel Oil/Marine Gas Oil | Within Facility |
| 307 | Oahu | Diesel Apill Honolulu Harbor Pier 38 | 20200401-0923 | Diesel Oil/Marine Gas Oil | Ocean |
| 308 | | Power washing wastewater entering storm drain, Kona Farmers Market | | | |
| | Hawaii | | 20200401-1548 | Liquid | Storm Drain |
| 309 | Oahu | Grace Pacific Makakilo Quarry Hydraulic Release | 20200401-1633 | Hydraulic Oil | Soil |
| 310 | Maui | MECO Leak Transformer #21219 | 20200406-1435 | Mineral Oil/Transformer Oil | Soil |
| 311 | Oahu | Ala Wai Slip 762 Sheen | 20200408-0749 | Diesel Oil/Marine Gas Oil | Ocean |
| 312 | Oahu | Hawaii Kai Marina "Fish-a-holic" Sinking | 20200408-1156 | Unknown | Ocean |
| 313 | Maui | Extra Space Storage White Powder Incident | 20200408-1218 | Unknown | Concrete |
| 314 | Oahu | Hele Street Chemicals in Canal | 20200409-1122 | Liquid | Lake |
| 315 | Maui | Old Propane Tank Discovered While Cleaning | 20200411-1333 | Compressed Gas Cylinder | Other |
| 316 | Oahu | Possible Contaminated Soil in HART Trench | 20200413-0910 | Unknown | Soil |
| 317 | Oahu | HECO Release Transformer #59328 | 20200413-1607 | Mineral Oil/Transformer Oil | Soil |
| 318 | Oahu | Pesticide-like odor permeating the neighborhood | 20200413-1944 | Malathion | Air |
| 319 | Maui | MECO Release Transformer #16063 | 20200414-1211 | Mineral Oil/Transformer Oil | Soil |
| 320 | Maui | MECO Release Transformer# 17072 | 20200414-1219 | Mineral Oil/Transformer Oil | Soil |
| 321 | Oahu | HECO Release Transformer# 72746 | 20200414-1345 | Mineral Oil/Transformer Oil | Soil |
| 322 | Oahu | Keehi Industrial Lot Boring Strong Hydrocarbon Odor | 20200414-1500 | Petroleum Hydrocarbon | Soil |
| 323 | Maui | Diesel Fuel in Maalaea Harbor | 20200415-1445 | Diesel Oil/Marine Gas Oil | Ocean |
| 324 | Oahu | Boat Ran Aground Off of Haleiwa | 20200416-0914 | Gasoline | Ocean |
| 325 | Oahu | Potential Raw Sewage Discharging from Property | 20200417-1510 | Solid Waste | Within Facility |
| 326 | Oahu | Hydraulic Release from a Forklift on Barge Mauna Loa | 20200418-1710 | Hydraulic Oil | Ocean |
| 327 | Oahu | HART - Spots of free product during dewatering | 20200420-1305 | Unknown | Groundwater |
| 328 | Oahu | HART soil stockpile | 20200420-1725 | Unknown | Soil |
| 329 | Maui | MECO Release Transformer #05306 | 20200422-1318 | Mineral Oil/Transformer Oil | Soil |
| 330 | | | | Ammonia, Diesel Oil/Marine | |
| | Oahu | Dean Foods/Meadow Gold Dairies Facility: Honolulu | 20200422-1500 | Gas Oil | Within Facility |
| 331 | Oahu | Honolulu Harbor Hydraulic Oil Release | 20200423-0836 | Hydraulic Oil | Ocean |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|---|--------------------|------------------------------|-----------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 332 | Oahu | Sky Ala Moana Development Chlordane Release | 20200424-1421 | Chlordane | Soil |
| 333 | Oahu | Unknown Sheen Near Sector Honolulu | 20200425-0610 | Unknown | Ocean |
| 334 | Oahu | Small Boat Sinking Off Laenani Beach Park | 20200427-1652 | Unknown | Ocean |
| 335 | Hawaii | HELCO Transformer Spill Due to Fallen Tree | 20200427-2000 | Mineral Oil/Transformer Oil | Soil |
| 336 | Oahu | Rail Potholing Activities Petroleum Detected Dillingham | 20200430-1623 | Petroleum Hydrocarbon | Asphalt |
| 337 | Hawaii | HELCO Submersible Transformer #16302 Release | 20200501-1110 | Mineral Oil/Transformer Oil | Soil |
| 338 | Oahu | Concerns of Cannabis Grown on Farmlands | 20200501-1328 | Container | Other |
| 339 | Oahu | Motor Oil Spill in Schofield Barracks | 20200504-1342 | Lube Oil/Motor Oil | Asphalt |
| 340 | Oahu | Kaneaki Stream Bridge Fugitive Drum | 20200504-1629 | Solid Waste | Drum/Container |
| 341 | Oahu | HECO Waiau tank farm LSFO spill | 20200505-1920 | Fuel Oil | Gravel |
| 342 | Oahu | FedEx transmission oil spill airport Gate 1B | 20200506-0400 | Transmission Fluid | Asphalt |
| 343 | Oahu | Fish Guts by the Docks | 20200506-2323 | Container | Ocean |
| 344 | Oahu | Brownish Water in Ala Wai Harbor | 20200507-0941 | Liquid | Ocean |
| 345 | Oahu | Very Strong Odor from Neighbor's Pet Waste | 20200508-0827 | Odor | Air |
| 346 | Oahu | Fugitive 4 x 5-gallon paint buckets | 20200508-1100 | Paint (Oil-based) | Within Facility |
| 347 | Hawaii | Unknown Liquid at Residence | 20200508-1347 | Container | Other |
| 348 | Oahu | Sheen Ala Wai Boat Harbor | 20200508-1633 | Oil | Ocean |
| 349 | Oahu | Boat sinks at Kapilina Marina dock | 20200509-0523 | Diesel Oil/Marine Gas Oil | Ocean |
| 350 | Oahu | Large Sheen Ala Wai boat harbor slips 41 - 79 | 20200510-0918 | Oil | Ocean |
| 351 | Maui | MECO Release Transformer #15734 | 20200511-1121 | Mineral Oil/Transformer Oil | Concrete |
| 352 | Maui | Maui Paving Camp 10 AST Backhoe Incident | 20200511-1242 | Bunker C/IFO/HFO | Soil |
| 353 | Oahu | Kohou Street Contamination in Pothole 67.5 | 20200511-1610 | Solid Waste | Asphalt |
| 354 | Oahu | Pole-mount transformer #93209 pulled down, Hoohaku Street | 20200512-0814 | Mineral Oil/Transformer Oil | Asphalt |
| 355 | Kauai | Abandoned boat washed ashore Pila'a Beach, Kauai | 20200512-0826 | None | Sand |
| 356 | Oahu | Alleged sewage washing ashore Beach Access 59A, Kaneohe Bay | 20200512-1630 | Sewage | Sand |
| 357 | Oahu | Lehua Ave Paint Chips Left on Sidewalk | 20200513-1254 | Solid Waste | Concrete |
| 358 | Oahu | Sheen Honolulu Harbor Kapalama channel | 20200515-0756 | Oil | Ocean |
| 359 | Oahu | Marine flare found in Mokule'ia | 20200515-1141 | Phosphorus (yellow or white) | Air |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|--|--------------------|-----------------------------|---------------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 360 | Oahu | Abandoned shipping container (Trailer A) with totes inside, Kuleana Road | 20200515-1317 | Lube Oil/Motor Oil | Gravel |
| 361 | Oahu | Hele Gas Station UST Facility ID 9-102491 | 20200519-1300 | Gasoline | Groundwater |
| 362 | Oahu | Odor Complaints at the End of Lagoon Drive | 20200520-1352 | Odor | Air |
| 363 | Oahu | Unknown Sheen in Ala Wai Small Boat Harbor | 20200523-0819 | Unknown | Ocean |
| 364 | Oahu | Abandoned Trailer (Trailer B) with Waste Oil and Tires Inside | 20200524-0820 | Oily Waste | Impermeable Surface |
| 365 | Kauai | Sewage Spill Near Hanapepe Sewage Pump Station | 20200524-1755 | Sewage | Soil |
| 366 | Oahu | Abandoned shipping container (Trailer 3), Kapolei | 20200526-0930 | Oil | Gravel |
| 367 | Oahu | Grounded sailboat Sand Island channel, Keehi Lagoon | 20200526-1550 | Container | Ocean |
| 368 | Maui | MECO Leak Transformer #17679 | 20200528-1603 | Mineral Oil/Transformer Oil | Soil |
| 369 | Oahu | Lead Soil Contamination at Hibiscus Drive | 20200529-0825 | Lead | Soil |
| 370 | Oahu | Three Drums Pushed Over at Sand Island Repair Shop | 20200601-0934 | Transmission Fluid | Concrete |
| 371 | Oahu | Latex paint Spill from Truck | 20200601-1030 | Liquid | Asphalt |
| 372 | Oahu | Unknown Sheen in Pearl Harbor by Arizona Street | 20200602-1345 | Unknown | Ocean |
| 373 | Oahu | HECO Pad-mount Transformer #75747 Release | 20200602-1426 | Mineral Oil/Transformer Oil | Soil |
| 374 | Oahu | HECO Release Transformer #65841 | 20200602-1455 | Mineral Oil/Transformer Oil | Soil |
| 375 | Oahu | HECO Release Transformer #69943 | 20200604-0900 | Mineral Oil/Transformer Oil | Soil |
| 376 | Oahu | Par Hawaii Processing Unit Down | 20200606-0843 | Sulfur dioxide | Air |
| 377 | Oahu | Pearl Harbor Naval Shipyard Pier S15 Capsized Boat | 20200608-0948 | Gasoline | Ocean |
| 378 | Oahu | Complaint of Pesticide Misuse | 20200610-1410 | Liquid | Air |
| 379 | Oahu | Pacific Air Cargo jet fuel spill from Kalitta Air 747 | 20200615-0943 | Jet Fuel/Kerosene | Asphalt |
| 380 | Oahu | PAR's pipeline valve box black oil discovery Kalaeloa Barbers Point Harbor, Pier 5 | 20200615-1138 | Fuel Oil | Concrete |
| 381 | Oahu | cleaning chemical mixture dumping Kaahumanu Homes @ building 3 | 20200619-0954 | Cleaning | Soil |
| 382 | Oahu | HECO Leak Transformer #53657 | 20200623-1223 | Mineral Oil/Transformer Oil | Soil |
| 383 | Kauai | Fuel spill during hydro-static testing PAR Nawiliwili Harbor | 20200623-1327 | Jet Fuel/Kerosene | Ocean |
| 384 | Oahu | Foster Village Alleged Oil Dumping into Storm Drain | 20200623-1445 | Unknown | Storm Drain |
| 385 | Oahu | Honolulu Harbor Pier 18 Hydraulic Spill | 20200623-1623 | Hydraulic Oil | Ocean |
| 386 | Oahu | Contamination discovery Honolulu Harbor pier 31 | 20200623-1632 | Oil, lead | Soil |

HSRP CHEMICAL RELEASE NOTIFICATION LOG FY2020

| HAWAII STATE RESPONSE PROGRAM CHEMICAL RELEASE NOTIFICATION LOG FY2020 | | | | | |
|--|---------------|---|--------------------|-----------------------------|--------------|
| | <u>Island</u> | <u>Unit Name</u> | <u>Case Number</u> | <u>Substances</u> | <u>Media</u> |
| 387 | Oahu | Water Sealant Spraying Causing Noxious Odors | 20200624-1229 | Odor | Air |
| 388 | Oahu | Unknown substance in air causing health problems, Makule Rd., Ewa Beach | 20200624-1432 | Odor | Air |
| 389 | Maui | MECO Leak Transformer #07982 | 20200625-0640 | Mineral Oil/Transformer Oil | Soil |
| 390 | Oahu | Wahiawa Auto Repair Oil Dumping Complaint | 20200625-1536 | lube Oil/Motor Oil | Asphalt |
| 391 | Hawaii | Complaint that Emission from Car spray booth stinks | 20200626-1441 | Paint | Air |

The Hawaii Response Program (HSRP) – List of Priority Sites

Chapter 128D, HRS, Environmental Response Law, Section 7, HRS mandates that a State List of Sites be published annually listing the sites with potential or known hazardous substances or pollutants or contaminants. Overall, in FY2020, HEER had oversight responsibilities for 1,461 active sites and reached No Further Action determinations at 29 sites.

We present the list in two sections.

The Hawaii State Response Program List of Priority Sites presents all non-military Hawaii sites identified for potential or known non-emergency response actions under HRS 128D. Current ERRF funding supports only part of the HEER Office response obligation for these sites. 934 active sites under direct DOH oversight in the various State programs are listed. 24 state sites with known or suspected contamination received No Further Action Determinations. Of those, 13 sites require ongoing management of residual contamination through Environmental Hazard Management Plans. Note that these sites are not included separately on the Priority Site list below.

The Hawaii State Response Program DSMOA Program List of Priority Sites presents military sites in Hawaii for which SDAR provides oversight. Hazardous substance response actions are managed by various DOD branches under CERCLA authorities, with regulatory oversight from SDAR. Cleanup sites within the Pearl Harbor Naval Complex are co-regulated by US EPA, due to the National Priorities List (“Superfund”) designation. The DOD sites include numerous high priority unexploded ordnance sites (UXO). Investigations and cleanups of military sites with petroleum-contaminated sites are conducted under 128D authorities, as petroleum is not covered under CERCLA. ERRF funds are not currently used for oversight of non-emergency military cleanups in Hawaii. Staff positions providing oversight for this work are currently funded by federal DSMOA grants. The list includes 527 sites that are co-managed by DOH and DOD under CERCLA and HRS 128D authorities.

Because the Air Force and Navy work systematically to address high priority sites first, the majority of these sites remaining are medium and low priority. In 2020, clean up decisions were reached at five DSMOA sites, four of which will require ongoing management of residual contamination through Environmental Hazard Management Plans. The lists are sorted in the order of Island, Locality or Installation, and Site Name. The site Priority, Action, and Potential Hazard are identified for each Facility/Site. Sites are categorized as a potential hazard when sampling data indicate that contaminant concentrations exceed Hawaii Environmental Action Levels. Generally, these conservative action levels are set to be protective of long term, daily exposures. Hazards are managed by removal or destruction of the contaminants (No Hazard), use restrictions that limit access to the contamination, (Institutional Controls), or physical barriers that limit exposure to the contaminants (Engineering Controls).

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HSRP LIST OF PRIORITY SITES FY2020

FY2020 Response Program Activity

Response Program Activity Summary data presented in this section for the Hawaii State Response Program (SRP) includes all Hawaii sites identified for non-emergency response actions during FY2020 and sites requiring evaluation if an assessment or response action is required under HEER Office authority. The HEER Office manages sites within five program areas depending upon eligibility, funding, and level of responsible party participation as:

State Sites

Hawaii Brownfields Revitalization Sites (Brownfields)

Hawaii Voluntary Response Program (VRP) Sites

Site Discovery (SDAR) and Preliminary Assessment/Site Inspection (PA/SI) Sites

DSMOA Department of Defense Sites

Over time, a site may be managed within the HEER Office under one or more program areas, starting with the site assessment phase and if required by the State, through to cleanup completion.

| Program Category | Program Action | High Priority | Medium Priority | Low Priority | NFA Restricted | NFA Unrestricted | Total |
|------------------------|----------------|---------------|-----------------|--------------|----------------|------------------|-------|
| State | Assessment | 4 | 47 | 440 | 4 | 5 | 500 |
| | Response | 58 | 142 | 116 | 8 | 6 | 330 |
| Brownfields | Assessment | 0 | 2 | 17 | 0 | 0 | 19 |
| | Response | 2 | 11 | 3 | 1 | 0 | 17 |
| VRP | Assessment | 0 | 1 | 2 | 0 | 0 | 3 |
| | Response | 0 | 0 | 0 | 0 | 0 | 0 |
| Site Discovery & PA/SI | Assessment | 1 | 12 | 33 | 0 | 0 | 46 |
| | Response | 2 | 8 | 6 | 0 | 0 | 16 |
| NPL | Assessment | 0 | 0 | 0 | 0 | 0 | 0 |
| | Response | 0 | 2 | 1 | 0 | 0 | 3 |
| Total | | 67 | 225 | 618 | 13 | 11 | 934 |

| | Program Action | High Priority | Medium Priority | Low Priority | NFA | Total |
|-------|----------------|---------------|-----------------|--------------|-----|-------|
| DSMOA | Assessment | 2 | 72 | 385 | 4 | 463 |
| | Response | 16 | 24 | 23 | 1 | 64 |
| Total | | 18 | 96 | 408 | 5 | 527 |

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HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|----|----------------|--------------------------------|---|-----------------|---------------|---|--------------------|------------------------|
| 1 | Cocos | Cocos Island | Long Range Navigation Station Cocos Island | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 2 | French Frigate | Tern Island | Tern Island | Low | Response | Hazard Present Hazard | Ongoing | State |
| 3 | Hawaii | Captain Cook | Hookena Elementary School | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 4 | Hawaii | East Hawaii | DOE East Hawaii Schools | Medium | Assessment | Undetermined | Ongoing | State |
| 5 | Hawaii | Hakalau | Hakalau Pesticide Mixing and Seed Dipping Site | High | Response | Hazard Present Hazard | Ongoing | State |
| 6 | Hawaii | Hakalau | Hakalau School | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 7 | Hawaii | Hakalau | Hakalau Sugar Mill | Low | Assessment | Undetermined Hazard | Inactive | State |
| 8 | Hawaii | Hakalau | Umauma Stream Bridge | Medium | Assessment | Undetermined Hazard | Ongoing | State |
| 9 | Hawaii | Hamakua | Hakalau Stream Bridge | High | Assessment | Undetermined Hazard | Ongoing | State |
| 10 | Hawaii | Hawaii Volcanoes National Park | Hawaii Volcanoes National Park | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 11 | Hawaii | Hawaii Volcanoes National Park | Hawaii Volcanoes National Park Resource Management Area | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 12 | Hawaii | Hawi | Harbottle Property | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 13 | Hawaii | Hawi | Upolu Point Loran Station | Low | Assessment | Undetermined Hazard | Ongoing | Site Discovery |
| 14 | Hawaii | Hawi | Westrum | Medium | Assessment | Undetermined Hazard | Ongoing | State |
| 15 | Hawaii | Hilo | Agent Orange Application | Low | Response | Undetermined Hazard Managed with Institutional | Inactive | State |
| 16 | Hawaii | Hilo | Aloha Petroleum Hilo East | Medium | Response | Controls Hazard Managed with Institutional | Ongoing | State |
| 17 | Hawaii | Hilo | Aloha Petroleum Hilo West | Low | Response | Controls | Ongoing | State |
| 18 | Hawaii | Hilo | Big Island Asphalt Company, Inc. | Medium | Response | Hazard Present Hazard | Ongoing | State |
| 19 | Hawaii | Hilo | Big Island Energy Hilo | Low | Assessment | Undetermined | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

| HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020 | | | | | | | | |
|--|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 20 | Hawaii | Hilo | Bunker Fuel Tank Overfill | Low | Response | Hazard Undetermined | Ongoing | State |
| 21 | Hawaii | Hilo | De Silva Elementary School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 22 | Hawaii | Hilo | DHHL Panaewa GTE Hawaiian Tel - Kawaiiani Central Office (Hilo) Chlordane Release | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 23 | Hawaii | Hilo | Haaheo Elementary School Building Exterior Soils | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 24 | Hawaii | Hilo | Hatada Bakery, Former | Low | Response | Hazard Managed with Institutional Controls | Inactive | State |
| 25 | Hawaii | Hilo | Hawaii CCC Lead in Soil | Medium | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 26 | Hawaii | Hilo | Hawaii Community College Hydraulic Lift | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 27 | Hawaii | Hilo | Hawaii County DWS - Former Steel Water Tank Kawaiiani Street, Hilo | Medium | Assessment | Hazard Present | Ongoing | State |
| 28 | Hawaii | Hilo | Hawaii County Kamehameha Avenue Improvements | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 29 | Hawaii | Hilo | Hawaii Pest Control | Medium | Response | Hazard Present | Ongoing | State |
| 30 | Hawaii | Hilo | HELCO Substation: Kuhio | Medium | Assessment | Hazard Present | Ongoing | State |
| 31 | Hawaii | Hilo | Hilo Harbor Interisland Cargo Dock | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 32 | Hawaii | Hilo | Hilo High School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 33 | Hawaii | Hilo | Hilo Intermediate School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 34 | Hawaii | Hilo | Hilo International Airport - West Ramp Demolition and Lease Lots | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 35 | Hawaii | Hilo | | | | | | |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 36 | Hawaii | Hilo | Hilo International Airport Drainage Pipe Terminus from Former HT&T | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 37 | Hawaii | Hilo | Hilo Memorial Hospital Heating Oil UST | Low | Response | Hazard Undetermined | Ongoing | State |
| 38 | Hawaii | Hilo | Hilo Quality Washerette | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 39 | Hawaii | Hilo | Hilo Radio Range | Low | Assessment | Undetermined | Ongoing | Site Discovery |
| 40 | Hawaii | Hilo | Hilo Terminal 595 Kalaniana'ole Avenue | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 41 | Hawaii | Hilo | Hilo Terminal Chevron | Medium | Response | Hazard Present Hazard Managed with Institutional Controls | Ongoing | State |
| 42 | Hawaii | Hilo | Hilo Union Elementary School Building Exterior Soils | Low | Response | Hazard Present Hazard | Ongoing | State |
| 43 | Hawaii | Hilo | HPM Building Supply DBA-Hawaii Wood Protection, Inc. | Low | Assessment | Undetermined | Ongoing | State |
| 44 | Hawaii | Hilo | Ice Pond Hilo | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 45 | Hawaii | Hilo | Kaawalii Gulch Naptha Spill | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 46 | Hawaii | Hilo | Kanoelehua Industrial Warehouse | Low | Assessment | Hazard Undetermined Hazard Managed with Institutional Controls | Inactive | Brownfields Site |
| 47 | Hawaii | Hilo | Kapiolani Elementary School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 48 | Hawaii | Hilo | Kaumana Elementary School Building Exterior Soils | Low | Response | Hazard Undetermined | Ongoing | State |
| 49 | Hawaii | Hilo | Kaumana Springs | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 50 | Hawaii | Hilo | Keaukaha Elementary School Building Exterior Soils | Low | Response | Hazard Undetermined | Ongoing | State |
| 51 | Hawaii | Hilo | Keaukaha Military Reservation Container Disposal | Low | Assessment | Hazard Undetermined | Ongoing | HIANG |
| 52 | Hawaii | Hilo | Kumau Street Improvements Hilo Harbor Entrance | Medium | Assessment | Hazard Undetermined | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 53 | Hawaii | Hilo | Lanakila Homes Phase 3B-4 | Medium | Assessment | Hazard Present | Ongoing | State |
| 54 | Hawaii | Hilo | Lanakila Homes Phase I-III A Arsenic Investigation | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 55 | Hawaii | Hilo | Larry's Waiakea Chevron | Low | Response | Hazard Present | Ongoing | State |
| 56 | Hawaii | Hilo | Mauna Kea Sugar - Onomea Seed Dipping Area | Low | Assessment | Hazard Present | Ongoing | Site Discovery |
| 57 | Hawaii | Hilo | Mauna Kea Sugar Company - Hilo Sugar Pesticide Mixing Area | Medium | Assessment | Hazard Present Hazard Managed with Institutional | Ongoing | Site Discovery |
| 58 | Hawaii | Hilo | Old Hilo Canec Plant Petroleum Contamination | Low | Assessment | Controls Hazard | Ongoing | State |
| 59 | Hawaii | Hilo | Discovery Hilo | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 60 | Hawaii | Hilo | Radio Bay Sediment Dredging Tesoro Hawaii Corporation, Terminal Department-701 | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 61 | Hawaii | Hilo | Kalaniana'ole Tesoro Hilo Terminal 2 Lead Contamination | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 62 | Hawaii | Hilo | TOSCO Corporation - Hilo Terminal (0276) | Low | Assessment | Hazard Present | Ongoing | State |
| 63 | Hawaii | Hilo | UH College of Tropical Agriculture and Human Resources Agent Orange Mixing | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 64 | Hawaii | Hilo | UH Hilo Pacific Aquaculture and Ocean Resources Center | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 65 | Hawaii | Hilo | UST excavated Bishop and Kamehameha | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 66 | Hawaii | Hilo | Waiakea Intermediate School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 67 | Hawaii | Hilo | Waiakea Mill Company - Camp 2 | Medium | Assessment | Hazard Present | Ongoing | Site Discovery |
| 68 | Hawaii | Hilo | Waiakea Mill Company - Camp 6 | Medium | Assessment | Hazard Present | Ongoing | Site Discovery |
| 69 | Hawaii | Hilo | Waiakea Mill Company - Waiakea Uma Park | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 70 | Hawaii | Hilo | Waiakea Pond / Hawaii Cane Products Plant | High | Response | Hazard Present | Ongoing | State |

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 72 | Hawaii | Hilo | Waiakea Uka Community Center | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 73 | Hawaii | Hilo | Waiakea Upland Arsenic Site | Low | Assessment | Hazard Present | Ongoing | State |
| 74 | Hawaii | Hilo | Waiakeawaena Elementary School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 75 | Hawaii | Hilo | Wailoa River State Recreation Area | Medium | Assessment | Hazard Managed with Institutional Controls | Ongoing | Site Discovery |
| 76 | Hawaii | Hilo | Yamada Quarry Hilo | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 77 | Hawaii | Holualoa | Holualoa Elementary School | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 78 | Hawaii | Honokaa | Hamakua Health Center | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 79 | Hawaii | Honokaa | Hamakua Sugar Co. Inc, - Kawela Pesticide Mixing Area | Low | Response | Hazard Undetermined | Ongoing | Site Discovery |
| 80 | Hawaii | Honokaa | Honokaa Elementary, Intermediate and High School | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 81 | Hawaii | Honolulu | Joint Traffic Management Center | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 82 | Hawaii | Honoumu | Honoumu Sugar Company Poison Warehouse | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 83 | Hawaii | Honoumu | Kolekole Stream Bridge | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 84 | Hawaii | Honoumu | Paheehee Stream Bridge | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 85 | Hawaii | Kailua | Kealakehe Transfer Station | Medium | Assessment | Hazard Present | Ongoing | State |
| 86 | Hawaii | Kailua-Kona | Cellana Kona Demonstration Facility | Low | Assessment | No Hazard | NFA | State |
| 87 | Hawaii | Kailua-Kona | Hawaii Petroleum-Kona Branch (Kona Warehouse & Cardlock) | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 88 | Hawaii | Kailua-Kona | HELCO Keohole Generating Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 89 | Hawaii | Kailua-Kona | Honokohau Industrial Park-Lower Boat Park Soil Contamination | Low | Response | Hazard Undetermined | Ongoing | State |

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| HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020 | | | | | | | | |
|--|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 90 | Hawaii | Kailua-Kona | Kealakehe Elementary School | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 91 | Hawaii | Kailua-Kona | West Hawaii Homeless Facility | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 92 | Hawaii | Kamuela | Kamuela Baseyard | Low | Assessment | Hazard Undetermined | Inactive | State |
| 93 | Hawaii | Kamuela | Lalamilo Phase 2A Housing Development | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 94 | Hawaii | Kamuela | Mid Pac Petroleum | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 95 | Hawaii | Kamuela | Waimea Quarry | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 96 | Hawaii | Kapaau | Kohala High and Elementary School | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 97 | Hawaii | Kapaau | Kohala Middle School | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 98 | Hawaii | Kapaau | Niulii Mill | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 99 | Hawaii | Kau | Kau High School and Pahala Elementary School Building | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 100 | Hawaii | Kawaihae | Exterior Soils Akana Petroleum, Inc-Kawaihae Harbor | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 101 | Hawaii | Keaau | HELCO Panaewa Substation | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 102 | Hawaii | Keaau | Kamehameha Schools Keaau Campus | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 103 | Hawaii | Keaau | Keaau Affordable Housing Project | Low | Response | Hazard Present | Inactive | State |
| 104 | Hawaii | Keaau | Keaau High School Expansion Project | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 105 | Hawaii | Keaau | Keaau Hotel Site | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 106 | Hawaii | Keaau | Keaau Middle School | Low | Assessment | Hazard Managed with Institutional Controls | Inactive | State |
| 107 | Hawaii | Keaau | Keaau Middle School Building Exterior Soils | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 108 | Hawaii | Keaau | Keaau Triangle Lot | High | Response | Hazard Present | Inactive | State |
| 109 | Hawaii | Keaau | Keaau Village | Low | Assessment | Hazard | Ongoing | State |
| 110 | Hawaii | Keaau | Puna Sugar Company Stables Arsenic Mixing Site | Low | Assessment | Hazard | Ongoing | State |
| 111 | Hawaii | Keaau | Puna Sugar Mill | Medium | Assessment | Hazard Present | Ongoing | Site Discovery |
| 112 | Hawaii | Keaau | Ulupono Street Lots 10 and 11 Keaau Hawaii | Medium | Response | Hazard Present | Ongoing | Site Discovery |
| 113 | Hawaii | Kealakekua | Kealakekua Heritage Ranch | Low | Response | Hazard Present | Ongoing | State |
| 114 | Hawaii | Keauhou | Keauhou Mechanics Yard | Low | Assessment | Hazard | Inactive | State |
| 115 | Hawaii | Lahaina | Former Minoru Kamahara Chevron | Low | Response | Hazard Present | Ongoing | State |
| 116 | Hawaii | Laupahoehoe | 35-2078 Hulaana Place | Medium | Assessment | Hazard | Ongoing | State |
| 117 | Hawaii | Laupahoehoe | Laupahoehoe High and Elementary School Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 118 | Hawaii | Laupahoehoe | Papaaloa Pesticide Mixing Area | Low | Assessment | Hazard Present | Ongoing | Site Discovery |
| 119 | Hawaii | Mountain View | Mountain View Elementary School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 120 | Hawaii | Naalehu | Hutchinson Sugar Plantation Company - Pesticide Mixing Area | Medium | Assessment | Hazard Present | Ongoing | Site Discovery |
| 121 | Hawaii | Naalehu | Hutchinson Sugar Plantation Company - Seed Dipping Vat | Medium | Assessment | Hazard Present | Ongoing | State |
| 122 | Hawaii | Naalehu | Kaalaiki Industrial Lot D | High | Response | Hazard Present | Ongoing | Fast Track |
| 123 | Hawaii | Naalehu | Kaalaiki Industrial Lots B-D | High | Response | Hazard Present | Ongoing | Site Discovery |
| 124 | Hawaii | Naalehu | Kau Agribusiness Hutchinson Sugar Mill Honuapo | Low | Assessment | Hazard | Ongoing | State |
| 125 | Hawaii | Naalehu | Naalehu Elementary School | Low | Assessment | Undetermined | Ongoing | State |
| 126 | Hawaii | Naalehu | Naalehu Elementary School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 127 | Hawaii | Ninole | Nanue Stream Bridge | Low | Assessment | Hazard | Ongoing | Site Discovery |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 128 | Hawaii | North Kohala | Hawi Well Site | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 129 | Hawaii | Ookala | Ookala Gym and Ball Park | Low | Assessment | Hazard Present | Inactive | Brownfields |
| 130 | Hawaii | Paauhau | Paauhau Seed Dipping Plant | Low | Response | Hazard Managed with Institutional Controls | Ongoing | Site Discovery |
| 131 | Hawaii | Paauhau | Paauhau Sugar Mill | Medium | Response | Hazard Present | Ongoing | Site Discovery |
| 132 | Hawaii | Paauilo | Hamakua Sugar Company - Ookala Mill Pesticide Storage Area | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 133 | Hawaii | Paauilo | Hamakua Sugar Company - Paauilo Mill Seed Dipping Plant | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Site Discovery |
| 134 | Hawaii | Paauilo | Hamakua Sugar Company - Paauilo Sugar Mill and PMA | High | Assessment | Hazard Present | Ongoing | Site Discovery |
| 135 | Hawaii | Paauilo | Hamakua Sugar Company, Inc - Asbestos Disposal Site | Low | Assessment | Hazard Present | Ongoing | State |
| 136 | Hawaii | Paauilo | Mauna Kea Ranch Overspill Spillage | Low | Assessment | Hazard Undetermined | Inactive | State |
| 137 | Hawaii | Paauilo | Paauilo Elementary and Intermediate School | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 138 | Hawaii | Pahala | Ka'u Agribusiness, Herbicide Mixing Plant (HMP) | NFA | Response | Hazard Managed with Engineering Controls | NFA | State |
| 139 | Hawaii | Pahala | Kau Sugar Mill | Medium | Response | Hazard Present | Ongoing | State |
| 140 | Hawaii | Pahala | Pahala Nursery Oil Release | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 141 | Hawaii | Pahoa | Pahoa Elementary School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 142 | Hawaii | Pahoa | Pahoa High and Intermediate School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 143 | Hawaii | Papaalooa | Papaalooa Elderly Housing Complex | High | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 144 | Hawaii | Papaikou | 27-0330 Mamalahoa Highway Collision | Low | Response | Hazard Undetermined | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 145 | Hawaii | Papaikou | Kalaniana'ole Elementary and Intermediate School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 146 | Hawaii | Papaikou | Kapue Stream Bridge | Low | Response | Undetermined | Ongoing | State |
| 147 | Hawaii | Papaikou | Onomea Sugar Company - Papaikou Mill Pesticide Mixing Area | High | Response | Hazard Present | Ongoing | Site Discovery |
| 148 | Hawaii | Pepeekeo | Black Oil and Drum Site | Low | Response | Hazard Present | Ongoing | State |
| 149 | Hawaii | Pepeekeo | Diesel Fuel Storage Tank | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 150 | Hawaii | Pepeekeo | Hu Honua Bioenergy Plant | Low | Assessment | Undetermined | Ongoing | State |
| 151 | Hawaii | Pepeekeo | Kraus Property | Medium | Assessment | Hazard Present | Ongoing | State |
| 152 | Hawaii | Pepeekeo | Kulaimano Elderly Housing Project | Low | Assessment | Undetermined | Ongoing | State |
| 153 | Hawaii | Pepeekeo | Mauna Kea Sugar- Pepeekeo Mill Herbicide Mixing Area | Medium | Assessment | Undetermined | Ongoing | Site Discovery |
| 154 | Hawaii | Volcanoes | Former Quarry Firing Range | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 155 | Hawaii | Waipunalei | Hawai'i Volcanoes National Park, Hawai'i | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Site Discovery |
| 156 | Kauai | Anahola | Waipunalei Seed Dipping Plant | Low | Assessment | Undetermined | Ongoing | State |
| 157 | Kauai | Barking Sands | Kealia Mauka Homesites | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 158 | Kauai | Barking Sands | Grace Pacific Corporation - Barking Sands HMA Plant | Low | Assessment | Hazard Present | Ongoing | State |
| 159 | Kauai | Eleele | Kauai Test Facility | Medium | Assessment | Hazard Present | Ongoing | State |
| 160 | Kauai | Eleele | McBryde Sugar Numila Pesticide Mixing Area | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 161 | Kauai | Eleele | Port Allen | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 162 | Kauai | Hanamaulu | Port Allen Terminal | Medium | Response | Hazard Undetermined | Ongoing | State |
| | | | Lihue Herbicide Mixing Plant | | | | | |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 163 | Kauai | Hanapepe | Sakoda Garage | Low | Response | Hazard Present | Ongoing | State |
| 164 | Kauai | Kalaheo | Kalaheo Elementary Phase 1 | Low | Assessment | Hazard | Ongoing | State |
| 165 | Kauai | Kapaa | Coconut Marketplace | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 166 | Kauai | Kapaa | Dry Cleaner Kapaa | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 167 | Kauai | Kapaa | Dry Well Cleanup | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 168 | Kauai | Kapaa | Hawaiian Fruit Packers Poison Mixing Site | Low | Assessment | Undetermined Hazard | Ongoing | Site Discovery |
| 169 | Kauai | Kapaa | Samuel Mahelona Memorial Center | Low | Assessment | Undetermined Hazard | Ongoing | Brownfields |
| 170 | Kauai | Kapaa | Wailua Homestead Wells | Low | Response | Hazard Present | Ongoing | State |
| 171 | Kauai | Kaumakani | Gay and Robinson Seed Dipping Vat | Low | Assessment | Undetermined Hazard | Ongoing | Site Discovery |
| 172 | Kauai | Kaumakani | Olokele Sugar Pesticide Mixing Site | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 173 | Kauai | Kekaha | 7723 Iwipolena Road | Medium | Response | Undetermined Hazard | Ongoing | State |
| 174 | Kauai | Kekaha | HIANG Kekaha | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 175 | Kauai | Kekaha | Kekaha Residential Lots, Unit 4 Subdivision | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 176 | Kauai | Kekaha | Kekaha Sugar Co., Ltd. | Medium | Response | Hazard Present | Ongoing | State |
| 177 | Kauai | Kekaha | Kekaha Sugar Co., Ltd. Former Wood Treatment Plant | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 178 | Kauai | Kekaha | Paua Valley Tank PCB Contamination | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 179 | Kauai | Kekaha | Waimea and Kekaha Research Centers | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 180 | Kauai | Kilauea | Hale Hoolulu-Kilauea | Low | Response | Hazard Present | Ongoing | State |
| 181 | Kauai | Kilauea | Hawaii Public Housing Authority Kilauea | Low | Assessment | Hazard | Ongoing | State |

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|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 182 | Kauai | Koloa | Kauai Loran Station | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 183 | Kauai | Koloa | Koloa Mill Pesticide Mixing Area Post-1974 | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 184 | Kauai | Lihue | Aloha Nawiliwili Fuel Distribution Terminal | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 185 | Kauai | Lihue | Former Ahukini Dump | Low | Assessment | Hazard Present | Ongoing | State |
| 186 | Kauai | Lihue | Hawaii Fueling Facilities Corporation Lihue Fuel Facility | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 187 | Kauai | Lihue | Kauai Petroleum | Low | Response | Hazard Present | Ongoing | State |
| 188 | Kauai | Lihue | Koamalu Plantation LLC Condominium | Medium | Response | Hazard Undetermined | Ongoing | State |
| 189 | Kauai | Lihue | Lihue Plantation Combined Sites | Medium | Response | Hazard Present | Ongoing | Brownfields |
| 190 | Kauai | Lihue | Lihue Sugar Mill and Power Plant | Medium | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 191 | Kauai | Lihue | Nawiliwili Harbor Pier 1 Fuel Contamination | Low | Assessment | Hazard Undetermined | Inactive | State |
| 192 | Kauai | Lihue | Nawiliwili Harbor Pier 2 Oil Spill | Low | Assessment | Hazard Undetermined | Inactive | State |
| 193 | Kauai | Lihue | Nawiliwili Harbor Pier 3 Bollard Foundation Construction | Low | Assessment | Hazard Undetermined | Inactive | State |
| 194 | Kauai | Lihue | Nawiliwili Harbor Pier 3 Improvements | Low | Assessment | Hazard Present | Inactive | State |
| 195 | Kauai | Lihue | Paradise 76 Service Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 196 | Kauai | Port Allen | Port Allen Radio Range | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 197 | Kauai | Port Allen | Port Allen Shed Renovation | Low | Assessment | Hazard Undetermined | Inactive | State |
| 198 | Kauai | Puhi | Grove Farm Puhi Poison Mixing Area | Medium | Response | Hazard Present | Ongoing | State |
| 199 | Kauai | Wailua | Coco Palms Sewer Pump Station | Low | Assessment | Hazard Undetermined | Inactive | State |
| 200 | Kauai | Waimea | Kauai Veterans Memorial Hospital | Low | Assessment | Hazard Undetermined | Inactive | State |
| 201 | Kauai | Waimea | Kikiaola Light Draft Harbor Improvements | Low | Assessment | Hazard Undetermined | Ongoing | State |

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 202 | Kauai | Waimea | Meadowgold Facility Waimea Kauai | Low | Response | Hazard Present | Inactive | State |
| 203 | Kauai | Waimea | Navy MFH PMRF Barking Sands | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 204 | Kauai | Waimea | Waimea Sugar Company | Low | Assessment | Hazard Present | Ongoing | Site Discovery |
| 205 | Kure | Kure Atoll | Kure Atoll | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 206 | Kure | Kure Atoll | Kure Atoll, U.S. Coast Guard Dole Lanai Emulsion Plant, | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 207 | Lanai | Lanai City | Drainage Ditch and Settling Pond | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 208 | Lanai | Lanai City | Former Emulsion Plant - Fraser Development Site | Medium | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 209 | Lanai | Lanai City | Lanai City Expansion 200 Housing Units | Medium | Assessment | Hazard Present | Ongoing | State |
| 210 | Lanai | Lanai City | MECO Miki Basin Generating Station | Low | Assessment | Hazard Managed with Institutional Controls | NFA | State |
| 211 | Maui | | Maui Golf Course Herbicide Mixing Stations | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 212 | Maui | Haiku | 41 Awalau Road | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 213 | Maui | Haiku | Nahiku Rubber Company | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 214 | Maui | Haiku | Pauwela Homes Project, Kauhikoa Land LLC | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 215 | Maui | Haliimaile | Haliimaile Development | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 216 | Maui | Hana | Kaeleku Plantation Company Mill | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 217 | Maui | Honokowai | Honokowai Ahupua'a | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 218 | Maui | Kahului | 475 Maalo Street Buried Container | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 219 | Maui | Kahului | A&B Central Power Plant Pipelines | Medium | Assessment | Hazard Present | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 220 | Maui | Kahului | A&B Properties, Inc., Agricultural Deep Soil Dump Lot 6 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 221 | Maui | Kahului | Aloha Petroleum Kahului Terminal | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 222 | Maui | Kahului | Chevron Kahului Bulk Terminal | Low | Response | Hazard Present | Ongoing | State |
| 223 | Maui | Kahului | Fong Construction Petroleum Hydrocarbon Contamination | Low | Assessment | Hazard Undetermined | Inactive | State |
| 224 | Maui | Kahului | Hawaiian Commercial and Sugar Airstrip Field 507 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 225 | Maui | Kahului | Hobron Avenue Area | Low | Response | Hazard Present | Ongoing | State |
| 226 | Maui | Kahului | Kahului Airport - Holdroom A, B, & E | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 227 | Maui | Kahului | Kahului Airport, Aircraft Rescue and Firefighting Training Pit | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 228 | Maui | Kahului | Kahului Harbor Industrial District | Medium | Assessment | Hazard Present | Ongoing | State |
| 229 | Maui | Kahului | Kahului Harbor Parcel B | Medium | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 230 | Maui | Kahului | Maui Pineapple Co Ltd, Kane Street | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 231 | Maui | Kahului | Maui Pineapple Company Seed Treatment Facility | NFA | Response | Hazard Managed with Institutional Controls | NFA | State |
| 232 | Maui | Kahului | Maui Terminal | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 233 | Maui | Kahului | MECO Pole-Mount Transformer No. 6930 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 234 | Maui | Kahului | MECO Sub-Transformer 3792 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 235 | Maui | Kahului | Molasses Shipping Line Repair KT&S Pumphouse to Pier 1 Loading Site | Low | Assessment | Hazard Present | Ongoing | State |
| 236 | Maui | Kahului | Queen Kaahumanu Center Elevator Pipeline | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 237 | Maui | Kahului | Sears Auto Center PCB Contamination | Low | Assessment | Hazard Undetermined | Inactive | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 238 | Maui | Kahului | VIP Warehouse | Low | Assessment | Hazard Present | Ongoing | State |
| 239 | Maui | Kihei | A&B Properties Former Agricultural Land Kihei Maui | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 240 | Maui | Kihei | Azeka Place 1 Shopping Center | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 241 | Maui | Kihei | Communications Electronics Training Facility | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 242 | Maui | Kihei | Hele Kihei Azeka #61073 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 243 | Maui | Kihei | Kamalani Borrow Sites | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 244 | Maui | Kihei | Kihei Boat Ramp | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 245 | Maui | Kihei | Maui Radio Range | Medium | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 246 | Maui | Kihei | Murray Air Pesticide Operations Puunene Maui | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 247 | Maui | Kula | Kamehamehenui Property | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 248 | Maui | Lahaina | Former Dry Cleaner at the Westin Maui Resort & Spa | Medium | Response | Hazard Managed with Institutional Controls | NFA | State |
| 249 | Maui | Lahaina | Hyatt Regency Maui Resort and Spa | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 250 | Maui | Lahaina | Kaanapali Transformer Site | Low | Response | Hazard Undetermined | Ongoing | State |
| 251 | Maui | Lahaina | Kapalua Land Company | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 252 | Maui | Lahaina | Lahaina Cannery Mall Phase II Assessment | Low | Response | Hazard Undetermined | Ongoing | State |
| 253 | Maui | Lahaina | Maui Land and Pineapple Company Honolulu Pesticide Mixing Area | Medium | Response | Hazard Present Hazard | Ongoing | Site Discovery |
| 254 | Maui | Lahaina | MECO submersible Transformer No. 4726 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 255 | Maui | Lahaina | Olowalu Company Sugar Mill | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|---------------------------------------|--------------------|------------------------|
| 256 | Maui | Lahaina | Pioneer Mill Lahainaluna Road Transformers | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 257 | Maui | Lahaina | Train Turnaround Transformer Substation | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 258 | Maui | Maalaea | Maalaea Mauka | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 259 | Maui | Makawao | Grove Ranch | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 260 | Maui | Makawao | Maui Land and Pineapple Company Haliimaile Pesticide Storage Area | Medium | Response | Hazard Undetermined | Ongoing | Site Discovery |
| 261 | Maui | Makawao | MECO Pad-Mount Transformer No. 3633 | Low | Response | No Hazard Hazard | NFA | State |
| 262 | Maui | Paia | HC&S CADE Station Field 114 | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 263 | Maui | Paia | MECO Pad-Mount Transformer No. 3357 | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 264 | Maui | Paia | Paia Sugar Mill | Medium | Assessment | Hazard Present | Ongoing | PA/SI |
| 265 | Maui | Pukalani | Maui Corn Mill Camp | High | Response | Hazard Present | Ongoing | State |
| 266 | Maui | Puunene | Grace Pacific Corporation - Maui Paving Camp 6 facility cleanup | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 267 | Maui | Puunene | HC&S Airstrips | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 268 | Maui | Puunene | HC&S Cade Plant | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 269 | Maui | Puunene | HC&S CADE Station Field 304 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 270 | Maui | Puunene | HC&S CADE Station Field 506 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 271 | Maui | Puunene | HC&S CADE Station Field 602 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 272 | Maui | Puunene | HC&S CADE Station Field 802 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 273 | Maui | Puunene | HC&S CADE Station Field 922 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 274 | Maui | Puunene | HC&S CADE Station Paia Mill | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 275 | Maui | Puunene | HC&S Cade Stations | Low | Assessment | Hazard Undetermined | Ongoing | State |

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|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 276 | Maui | Puunene | Puunene Airport (Dragstrip & Moto-Cross) | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 277 | Maui | Puunene | Puunene Airport Soil Contamination | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 278 | Maui | Wailuku | Organizational Maintenance Shop #3 (OMS #3) | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 279 | Maui | Wailuku | Waiale Ash Pile | Low | Response | Hazard Present | Ongoing | State |
| 280 | Maui | Wailuku | Waihee Elementary Playfield Project | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 281 | Maui | Wailuku | Wailuku Sugar Agricultural Department Pesticide Mixing | Low | Response | Hazard Hazard Managed with Institutional Controls | Ongoing | State |
| 282 | Midway | NAF Midway | Naval Air Facility, Midway Island | Low | Assessment | Undetermined | Ongoing | State |
| 283 | Molokai | Hoolehua | Grace Pacific Corporation Manawainui, Molokai Facility | Low | Response | Hazard Present | Ongoing | State |
| 284 | Molokai | Hoolehua | Grace Pacific Maui Paving Molokai Asphalt Plant | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 285 | Molokai | Ilio Point | Long Range Navigation Station Ilio Point Debris Pile Remediation | Medium | Response | No Hazard | Ongoing | State |
| 286 | Molokai | Ilio Point | Long Range Navigation Station Ilio Point Secondary Debris Pile | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 287 | Molokai | Kalaupapa | Kalaupapa Settlement Historical Burn Area | Low | Response | Hazard Present | Ongoing | Site Discovery |
| 288 | Molokai | Kalaupapa | Kalaupapa Settlement Kitchen Fire Debris | Low | Response | Hazard Undetermined | Ongoing | State |
| 289 | Molokai | Kaunakakai | DLNR Water Line Installation | Medium | Response | Hazard Undetermined | Ongoing | State |
| 290 | Molokai | Kaunakakai | Galiher-Ono Property | Medium | Response | Hazard Present | Ongoing | State |
| 291 | Molokai | Kaunakakai | Hawaiian Eye Center | Low | Assessment | Hazard Undetermined | Inactive | State |
| 292 | Molokai | Kaunakakai | Island Petroleum, Inc (Kaunakakai Petroleum Contaminated Area) | Low | Response | Hazard Present | Ongoing | State |
| 293 | Molokai | Kaunakakai | Kaunakakai Drainage System B | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 294 | Molokai | Kaunakakai | Kaunakakai Pier Petroleum Discovery | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 295 | Molokai | Kaunakakai | Kaunakakai Wharf - DOT Harbors | Medium | Response | Hazard Undetermined | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|---------------------------------------|--------------------|------------------------|
| 296 | Molokai | Kaunakakai | Kaunakakai Wharf Terminal | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 297 | Molokai | Kaunakakai | Malama Cultural Park | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 298 | Molokai | Kaunakakai | Mid Pac Petroleum Mauka Fuel Terminal | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 299 | Molokai | Kaunakakai | Molokai Community Service Center | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 300 | Molokai | Kaunakakai | Molokai Electric Company (MOECO) Power Plant Site | High | Response | Hazard Present | Ongoing | State |
| 301 | Molokai | Kaunakakai | Molokai Trenching At Beach and Kaunakakai | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 302 | Molokai | Kaunakakai | Pua'ahala Watershed | Low | Response | No Hazard | NFA | State |
| 303 | Molokai | Kualapuu | Del Monte Corporation Kualapuu Pesticide Mixing Area | Low | Response | Hazard Undetermined | Ongoing | Site Discovery |
| 304 | Molokai | Maunaloa | Laa Point Mercury-Zinc Battery Clean Up | Low | Response | Hazard Undetermined | Ongoing | State |
| 305 | Molokai | Maunaloa | Libby McNeill and Libby Maunaloa Pesticide Mixing Area | Low | Response | Hazard Undetermined | Ongoing | Site Discovery |
| 306 | Molokai | Umipaa | Maui Paving Molokai Asphalt Plant Soil Contamination | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 307 | Niihau | Keelinawi | Niihau Loran Station | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 308 | Oahu | Aiea | 98-55 Kamehameha Highway Aiea Elementary School Building | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 309 | Oahu | Aiea | Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 310 | Oahu | Aiea | Aiea Elementary School Relocated Trailers Renovation | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 311 | Oahu | Aiea | Aiea Sugar Mill Affordable Housing | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 312 | Oahu | Aiea | Aloha Stadium Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 313 | Oahu | Aiea | Grace Pacific Corporation | Low | Response | Hazard Present | Ongoing | State |
| 314 | Oahu | Aiea | Hawaii Baking Company | Low | Assessment | Hazard Undetermined | Inactive | State |
| 315 | Oahu | Aiea | HECO Transformer 52091 | Low | Assessment | Hazard Undetermined | Inactive | State |

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|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 316 | Oahu | Aiea | Honolulu Plantation Company - Seed Dipping Vat | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 317 | Oahu | Aiea | Honolulu Transit-Oriented Development | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 318 | Oahu | Aiea | Navy MFH Halawa | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 319 | Oahu | Aiea | Navy MFH McGrew Point | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 320 | Oahu | Aiea | Pearl Ridge Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 321 | Oahu | Aiea | Scott Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 322 | Oahu | Aiea | Sears Pearlridge #1578 Elevator Jack | Low | Response | Hazard Managed with Engineering Controls | Inactive | State |
| 323 | Oahu | Aiea | Sears Pearlridge #1578 Hydraulic Hoist | Low | Response | Hazard Present | Ongoing | State |
| 324 | Oahu | Aiea | Waimalu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 325 | Oahu | Aiea | Webling Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 326 | Oahu | Barbers Point | Barbers Point Harbor Expansion | Low | Response | Hazard Present | Ongoing | State |
| 327 | Oahu | Barbers Point | Barbers Point Harbor Lead Contaminated Soil | Low | Assessment | Hazard Undetermined | Inactive | State |
| 328 | Oahu | Barbers Point | Barbers Point Harbor Pier 6 Valve Pit | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 329 | Oahu | Barbers Point | Texaco Terminal | Low | Response | Hazard Present | Ongoing | State |
| 330 | Oahu | Camp HM Smith | Marines MFH Camp Smith | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 331 | Oahu | Ewa | Ewa Mill Manager's Mansion and Three-House Camp | Low | Response | Hazard Undetermined | Ongoing | Brownfields |
| 332 | Oahu | Ewa | Waipahu Garden Center | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 333 | Oahu | Ewa Beach | Ewa Beach Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |

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|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 334 | Oahu | Ewa Beach | Ewa Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 335 | Oahu | Ewa Beach | Ewa Repair Shop/Tesoro (Fort Weaver Road) | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 336 | Oahu | Ewa Beach | Iroquois Point Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 337 | Oahu | Ewa Beach | Iroquois Point Radio Range | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 338 | Oahu | Ewa Beach | Kamila Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 339 | Oahu | Ewa Beach | Pacific Concrete & Rock LDFL | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 340 | Oahu | Ewa Beach | Pohakea Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 341 | Oahu | Ewa Beach | Stockpile on Navy Parcel | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 342 | Oahu | Fort Shafter | Army MFH FS Funston Village | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 343 | Oahu | Fort Shafter | Army MFH FS Hauoli Heights North | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 344 | Oahu | Fort Shafter | Army MFH FS Hauoli Heights South | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 345 | Oahu | Fort Shafter | Army MFH FS Palm Circle | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 346 | Oahu | Fort Shafter | Army MFH FS Radar Hill | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 347 | Oahu | Fort Shafter | Army MFH FS Rice Manor | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 348 | Oahu | Fort Shafter | Army MFH FS Simpson-Wisser Community Center | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 349 | Oahu | Fort Shafter | Army MFH FS Simpson-Wisser Neighborhood | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 350 | Oahu | Halawa | Grace Pacific - Hawaiian Cement Parking Lot | Low | Response | Hazard Undetermined | Ongoing | State |
| 351 | Oahu | Halawa | OCCC Halawa Development | Medium | Response | Hazard Undetermined | Ongoing | State |
| 352 | Oahu | Haleiwa | Haleiwa Chevron | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 353 | Oahu | Haleiwa | Haleiwa Chevron OU-KSBE | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 354 | Oahu | Haleiwa | Haleiwa Commercial Redevelopment | Low | Response | Hazard Present | Ongoing | State |
| 355 | Oahu | Haleiwa | Haleiwa Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 356 | Oahu | Haleiwa | Haleiwa Store Lots | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 357 | Oahu | Haleiwa | Sunset Beach Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 358 | Oahu | Haleiwa | Twin Bridge Road Drum Dumping-Haleiwa | Low | Response | Hazard Present | Ongoing | State |
| 359 | Oahu | Hauula | Hauula Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 360 | Oahu | Hawaii Kai | Hawaii Kai Memorial Park | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 361 | Oahu | Helemano MR | Army MFH HMR Kalapana | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 362 | Oahu | Helemano MR | Army MFH HMR Kekona | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 363 | Oahu | Helemano MR | Army MFH HMR Kuapale | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 364 | Oahu | Hickam AFB | Air Force MFH HAFB CGO-FGO Minor Renovations | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 365 | Oahu | Hickam AFB | Air Force MFH HAFB Challenger Loop Minor Renovations | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 366 | Oahu | Hickam AFB | Air Force MFH HAFB Earhart I-1 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 367 | Oahu | Hickam AFB | Air Force MFH HAFB Earhart Minor Renovations | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 368 | Oahu | Hickam AFB | Air Force MFH HAFB Earhart Village Park II-1 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 369 | Oahu | Hickam AFB | Air Force MFH HAFB Earhart Village Park II-4 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 370 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 01 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 371 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 02 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 372 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 03 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 373 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 04 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 374 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 05 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 375 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 06 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 376 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 07 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 377 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 08 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 378 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 08 South | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 379 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 09 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 380 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 10 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 381 | Oahu | Hickam AFB | Air Force MFH HAFB FGO Block 11 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 382 | Oahu | Hickam AFB | Air Force MFH HAFB GO-SO Historic Renovations | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 383 | Oahu | Hickam AFB | Air Force MFH HAFB Hale Na Koa Minor Renovations | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 384 | Oahu | Hickam AFB | Air Force MFH HAFB Hickam Field NCO Area | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 385 | Oahu | Hickam AFB | Air Force MFH HAFB Hickam Field Officer Area | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 386 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 01 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 387 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 02 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 388 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 03 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 389 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 04 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 390 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 05 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|-----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 391 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 06 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 392 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 07 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 393 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 08 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 394 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 09 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 395 | Oahu | Hickam AFB | Air Force MFH HAFB JNCO Block 10 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 396 | Oahu | Hickam AFB | Air Force MFH HAFB Onizuka II-2 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 397 | Oahu | Hickam AFB | Air Force MFH HAFB Onizuka II-3 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 398 | Oahu | Hickam AFB | Air Force MFH HAFB SNCO Block 1 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 399 | Oahu | Hickam AFB | Air Force MFH HAFB SNCO Block 2 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 400 | Oahu | Hickam AFB | Air Force MFH HAFB SNCO Block 3 | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 401 | Oahu | Hickam AFB | Air Force MFH HAFB SO Minor Renovation | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 402 | Oahu | Hickam AFB | Hickam AFB Drilling for Solar Parking Structures | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 403 | Oahu | Hickam AFB | Hickam AFB HIANG F22 Parking Apron | Low | Response | Hazard Present | Ongoing | State |
| 404 | Oahu | Hickam Air Force Base | Hickam AFB HIANG | Low | Assessment | Hazard Undetermined | Ongoing | State |

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|----------------------------------|-----------------|---------------|--|--------------------|------------------------|
| 405 | Oahu | Honolulu | 1240 Mookaula Street | Low | Response | Hazard Managed with Institutional Controls | NFA | State |
| 406 | Oahu | Honolulu | 1385 Colburn Street | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 407 | Oahu | Honolulu | 158 Sand Island Access Rd | Medium | Response | Hazard Present | Ongoing | State |
| 408 | Oahu | Honolulu | 180 Sand Island Access Rd | Medium | Response | Hazard Present | Ongoing | State |
| 409 | Oahu | Honolulu | 1800 Vancouver Drive | Medium | Assessment | Undetermined Hazard | Ongoing | State |
| 410 | Oahu | Honolulu | 1812 Colburn Street Site | Medium | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 411 | Oahu | Honolulu | 1911 Keeaumoku Street | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 412 | Oahu | Honolulu | 2051-2057 Kalakaua Avenue | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 413 | Oahu | Honolulu | 2135 Auiki St | Medium | Response | Hazard Present | Ongoing | State |
| 414 | Oahu | Honolulu | 218 Mohonua Place | Medium | Response | Hazard Present | Ongoing | State |
| 415 | Oahu | Honolulu | 2250 Pahounui Drive | Medium | Assessment | Hazard Present | Ongoing | State |
| 416 | Oahu | Honolulu | 2939 and 2949 Koapaka Street UST | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 417 | Oahu | Honolulu | 2958 Ualena Street | Low | Assessment | Undetermined Hazard | Ongoing | Brownfields |
| 418 | Oahu | Honolulu | 333 & 351 N King Street | Low | Assessment | Undetermined Hazard | Ongoing | Brownfields |
| 419 | Oahu | Honolulu | 373 North Nimitz Highway | Medium | Response | Hazard Present | Ongoing | State |
| 420 | Oahu | Honolulu | 393 North King Street | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 421 | Oahu | Honolulu | 420-470 North Nimitz Highway | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 422 | Oahu | Honolulu | 458 Keawe Street | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 423 | Oahu | Honolulu | 524 Kaaahi Street | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 424 | Oahu | Honolulu | 580 North Nimitz | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 425 | Oahu | Honolulu | 595 Ala Moana Black Oil Pipeline | Low | Assessment | Hazard Present | Ongoing | State |
| 426 | Oahu | Honolulu | 604 Ala Moana Boulevard/The Collections | Medium | Response | Hazard Managed with Institutional Controls | Inactive | State |
| 427 | Oahu | Honolulu | 609 Waiakamilo Road UST | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 428 | Oahu | Honolulu | 630 Cooke Street | Low | Response | Hazard Managed with Institutional Controls | NFA | State |
| 429 | Oahu | Honolulu | 653 Kakoi Street | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 430 | Oahu | Honolulu | 700 N Nimitz IDPP Release | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 431 | Oahu | Honolulu | 710 North King Street | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 432 | Oahu | Honolulu | 755 North Nimitz Highway | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 433 | Oahu | Honolulu | 760 Halekauwila Street | Medium | Assessment | Hazard Present | Ongoing | State |
| 434 | Oahu | Honolulu | 775 North Nimitz Highway | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 435 | Oahu | Honolulu | 801 South Hotel Street | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 436 | Oahu | Honolulu | 815 Kawaiahao Street | Low | Assessment | Hazard Managed with Institutional Controls | NFA | State |
| 437 | Oahu | Honolulu | 836 Kawaiahao Street | Low | Response | Hazard Undetermined | Ongoing | State |
| 438 | Oahu | Honolulu | 868 Queen Street, 819, 835 and 841 Kawaihoo Street | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 439 | Oahu | Honolulu | 902 Alder Street | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 440 | Oahu | Honolulu | 916 Kaamahu Place | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 441 | Oahu | Honolulu | 922 Kaamahu Place | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 442 | Oahu | Honolulu | 938 Kohou Street | Low | Response | Hazard Present | Ongoing | State |
| 443 | Oahu | Honolulu | Aina Haina Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 444 | Oahu | Honolulu | Aina Haina Public Library Dieldrin Discovery | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 445 | Oahu | Honolulu | Ala Moana Plaza | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 446 | Oahu | Honolulu | Ala Wai Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 447 | Oahu | Honolulu | Aliamanu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 448 | Oahu | Honolulu | Aliiolani Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 449 | Oahu | Honolulu | Allstate Industrial & Marine Cleaning, Inc. | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 450 | Oahu | Honolulu | Aloha Air Cargo | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 451 | Oahu | Honolulu | Aloha Petroleum Honolulu Terminal | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 452 | Oahu | Honolulu | Aloha Service Station Number 1091 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 453 | Oahu | Honolulu | Aloha Tower Development | Low | Assessment | Hazard Present | Ongoing | State |
| 454 | Oahu | Honolulu | Ameron Hawaii Sand Island Facility | Medium | Response | Hazard Undetermined | Ongoing | State |
| 455 | Oahu | Honolulu | Anuenue Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 456 | Oahu | Honolulu | ARFF Station No. 2 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 457 | Oahu | Honolulu | Army MFH AMR Bougainville | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 458 | Oahu | Honolulu | Army MFH AMR Hibiscus | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 459 | Oahu | Honolulu | Army MFH AMR Makai View | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 460 | Oahu | Honolulu | Army MFH AMR Plumeria | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 461 | Oahu | Honolulu | Army MFH AMR Rim Loop | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 462 | Oahu | Honolulu | Army MFH AMR Skyview | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 463 | Oahu | Honolulu | Army MFH AMR Valley View | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 464 | Oahu | Honolulu | Army MFH Army Hawaii Family Housing ADMIN FILE | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 465 | Oahu | Honolulu | ARTSPACE | High | Response | Hazard Managed with Institutional Controls | NFA | Brownfields |
| 466 | Oahu | Honolulu | ASIG Sand Island | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 467 | Oahu | Honolulu | Awa Street Wastewater Pump Station and Force Main Improvements | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 468 | Oahu | Honolulu | Beretania Pumping Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 469 | Oahu | Honolulu | BHP Gas Express (Station # 11) | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 470 | Oahu | Honolulu | Gasoline Product Underground Brewer Environmental Industries-Pacific Street | Low | Assessment | Hazard Present | Ongoing | State |
| 471 | Oahu | Honolulu | BWS Pump House N King Street | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |

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|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 472 | Oahu | Honolulu | Chevron Bulk Fuel Loading Rack Driveway | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 473 | Oahu | Honolulu | Chevron Honolulu Transportation Terminal | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 474 | Oahu | Honolulu | Chevron Kapalama Northeast Parcel | Medium | Response | Hazard Present | Ongoing | State |
| 475 | Oahu | Honolulu | Chevron Kapalama Northwest Parcel | Low | Response | Hazard Present | Ongoing | State |
| 476 | Oahu | Honolulu | Chevron Kapalama Terminal | Medium | Response | Hazard Present | Ongoing | State |
| 477 | Oahu | Honolulu | Chevron Pier 35 Pipeline Release | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 478 | Oahu | Honolulu | Chevron Tanker Truck Loading Rack (TTLR) | High | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 479 | Oahu | Honolulu | Citizens Energy Services Pier 38 | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 480 | Oahu | Honolulu | Civic Center Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 481 | Oahu | Honolulu | Classic Bowl | Medium | Assessment | Hazard Present | Ongoing | State |
| 482 | Oahu | Honolulu | Coast Guard MFH Red Hill Makai | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 483 | Oahu | Honolulu | Coast Guard MFH Red Hill Mauka | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 484 | Oahu | Honolulu | DLNR Buried Drum Site | Low | Assessment | Hazard Managed with Institutional Controls | Inactive | State |
| 485 | Oahu | Honolulu | Dole Cannery | Medium | Response | Hazard Present | Ongoing | State |
| 486 | Oahu | Honolulu | Dole Cannery Complex | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 487 | Oahu | Honolulu | Domestic Commercial Fishing Village | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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|-----|---------------|----------------------|--|-----------------|---------------|---|--------------------|------------------------|
| 488 | Oahu | Honolulu | DOT-A Parcel at Honolulu Harbor (34-A Lot) | Medium | Assessment | Hazard Undetermined | Inactive | State |
| 489 | Oahu | HONOLULU | DR. SUN YAT-SEN MEMORIAL PARK | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 490 | Oahu | Honolulu | Electric Distribution Modernization Phase I | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 491 | Oahu | Honolulu | Factory Street Lead | Medium | Response | Hazard Hazard Managed with Engineering Controls | Ongoing | State |
| 492 | Oahu | Honolulu | Farrington High School Firing Range | High | Assessment | Hazard Undetermined | Ongoing | State |
| 493 | Oahu | Honolulu | Fern Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 494 | Oahu | Honolulu | Former ARCO Hawaii Kai Station | Low | Response | Hazard Hazard Present | Ongoing | State |
| 495 | Oahu | Honolulu | Former General Printing Company | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 496 | Oahu | Honolulu | Former Nuuanu Auto Company | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 497 | Oahu | Honolulu | Fred L. Waldron Feed Mill | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 498 | Oahu | Honolulu | Goodwill Beretania Street | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 499 | Oahu | Honolulu | Hahaione Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 500 | Oahu | Honolulu | Hale Pua Nui UST Removal | Low | Response | Hazard Hazard Present | Ongoing | State |
| 501 | Oahu | Honolulu | HART Halekauwila Street between Keawe Street and Coral Street | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 502 | Oahu | Honolulu | HART Iwilei Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 503 | Oahu | Honolulu | HART Lagoon Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 504 | Oahu | Honolulu | Hawaii Fueling Facilities Corporation-Airport | Low | Response | Hazard Hazard Present | Ongoing | State |
| 505 | Oahu | Honolulu | Hawaii Fueling Facilities Corporation-Sand Island Access Road | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 506 | Oahu | Honolulu | Hawaii Fueling Facilities Corporation-Sand Island Oil/Water Drain Line Release | Low | Response | Hazard Hazard Present | Ongoing | State |

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|-----|---------------|----------------------|--|-----------------|---------------|---|--------------------|------------------------|
| 507 | Oahu | Honolulu | Hawaii Fueling Facilities Corporation-Sand Island Slurry Wall Trenching Activity | Medium | Response | Hazard Present Hazard | Ongoing | State |
| 508 | Oahu | Honolulu | Hawaii Hochi | Low | Assessment | Undetermined Hazard Managed with Engineering Controls | Ongoing | State |
| 509 | Oahu | Honolulu | Hawaii Instrumentation & Controls, Inc | Medium | Response | Hazard Managed with Institutional Controls | Inactive | State |
| 510 | Oahu | Honolulu | Hawaii Law Enforcement Federal Credit Union | Low | Assessment | Hazard Managed with Engineering Controls | Ongoing | State |
| 511 | Oahu | Honolulu | Hawaii Metal Recycling Company Pier 35 | Low | Response | Hazard | Ongoing | State |
| 512 | Oahu | Honolulu | Hawaii School for the Deaf and Blind (HSDB) Building Exterior Soils | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 513 | Oahu | Honolulu | Hawaii Stevedores | Low | Response | Hazard Present | Ongoing | State |
| 514 | Oahu | Honolulu | Hawaii Transfer Company, Ltd. Pier 36 | Low | Response | Hazard Present | Ongoing | State |
| 515 | Oahu | Honolulu | Hawaiian Electric Company (HECO) Parking Lot and Alley | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 516 | Oahu | Honolulu | Hawaiian Electric Company (HECO)-Honolulu Generating Station | Low | Assessment | Hazard Present | Inactive | State Response Program |
| 517 | Oahu | Honolulu | Hawaiian Flour Mill | Low | Response | Hazard Present | Ongoing | State |
| 518 | Oahu | Honolulu | Hawaiian Fluid Power Company | Low | Response | Hazard Present | Ongoing | State |
| 519 | Oahu | Honolulu | Hawaiian Tug & Barge Corporation | Low | Assessment | Undetermined Hazard | Inactive | State |
| 520 | Oahu | Honolulu | Hawaii Kai Marina Maintenance Dredging | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 521 | Oahu | Honolulu | HECO Fuel Oil Pipeline Route State Energy Corridor | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 522 | Oahu | Honolulu | HECO Honolulu Power Plant | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 523 | Oahu | Honolulu | HECO Iwilei Tank Yard | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |

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|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 524 | Oahu | Honolulu | HECO Pad-Mount Transformer No. 27266 | Low | Response | No Hazard | NFA | State |
| 525 | Oahu | Honolulu | HECO Substation: Pukele Substation | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 526 | Oahu | Honolulu | Helemano Wilderness Area Firing Ranges | NFA | Response | Hazard Managed with Institutional Controls | NFA | State |
| 527 | Oahu | Honolulu | HFFC Sand Island Kapalama Terminal Jet Fuel Pipeline | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 528 | Oahu | Honolulu | Hickam Elementary School Building Exterior Soils | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 529 | Oahu | Honolulu | Hokulani Elementary School Building Exterior Soils | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 530 | Oahu | Honolulu | Honolulu Airport Commuter Terminal Jet Fuel Release | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 531 | Oahu | Honolulu | Honolulu Airport Diamondhead Site Improvements | Low | Assessment | Undetermined Hazard Managed with Institutional Controls | Ongoing | State |
| 532 | Oahu | Honolulu | Honolulu Airport Former Commuter Terminal | Medium | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 533 | Oahu | Honolulu | Honolulu Airport Interim Car Rental Facility | Low | Response | Hazard Managed with Institutional Controls | Inactive | State |
| 534 | Oahu | Honolulu | Honolulu Community College Kokea Street Parking Lot | Low | Response | Undetermined Hazard | Ongoing | State |
| 535 | Oahu | Honolulu | Honolulu Harbor | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 536 | Oahu | Honolulu | Honolulu Harbor Iwilei District Operating Parties | Medium | Assessment | Hazard Present Hazard Managed with Engineering Controls | Inactive | State |
| 537 | Oahu | Honolulu | Honolulu Harbor Iwilei District Participating Parties | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 538 | Oahu | Honolulu | Honolulu Harbor Iwilei District Participating Parties | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 539 | Oahu | Honolulu | Honolulu Harbor Iwilei Unit OU1A | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 540 | Oahu | Honolulu | Honolulu Harbor Iwilei Unit OU1B | High | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 541 | Oahu | Honolulu | Honolulu Harbor Iwilei Unit OU2 | High | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 542 | Oahu | Honolulu | Honolulu Harbor Kapalama Unit | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 543 | Oahu | Honolulu | Honolulu Harbor Sand Island Unit | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 544 | Oahu | Honolulu | Honolulu High-Capacity Transit Corridor Project | Low | Assessment | Hazard Present | Ongoing | State |
| 545 | Oahu | Honolulu | Honolulu International Airport Air Conditioning Modification, Phase I | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 546 | Oahu | Honolulu | Honolulu International Airport Consolidated Car Rental (CONRAC) Facility | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 547 | Oahu | Honolulu | Honolulu International Airport Elliot Street Parking Lot | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 548 | Oahu | Honolulu | Honolulu International Airport Interisland Maintenance Facility | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 549 | Oahu | Honolulu | Honolulu International Airport Project AO1121-24 PH 1-A | High | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 550 | Oahu | Honolulu | Honolulu International Airport Runway 8L | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 551 | Oahu | Honolulu | Honolulu International Airport Solvent Plume - Lot J/Parking Structure Area | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 552 | Oahu | Honolulu | Honolulu International Airport TCE Plume | Low | Response | Hazard Undetermined | Ongoing | State |
| 553 | Oahu | Honolulu | Honolulu International Airport, Hawaiian Airlines Maintenance Facility | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 554 | Oahu | Honolulu | Honolulu Limited | Medium | Response | Hazard Present | Ongoing | State |
| 555 | Oahu | Honolulu | Honolulu Marine | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 556 | Oahu | Honolulu | Honolulu Marine Small Boat Shipyard at Keehi Lagoon | Low | Assessment | Hazard Present | Ongoing | State |
| 557 | Oahu | Honolulu | Honolulu Marine Water Trench - Trench B | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 558 | Oahu | Honolulu | Honolulu Marine Water Trench 12-02 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 559 | Oahu | Honolulu | Honolulu Paint Factory | Low | Assessment | Undetermined | Ongoing | Site Discovery |
| 560 | Oahu | Honolulu | Honolulu Rail Transit Project - Airport Segment Guideway and Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 561 | Oahu | Honolulu | Honolulu Rail Transit Project - City Center Segment | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 562 | Oahu | Honolulu | Honolulu Seawater Air Conditioning Project | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 563 | Oahu | Honolulu | Honolulu Shipyard, Inc. | Low | Response | Hazard Undetermined | Inactive | State |
| 564 | Oahu | Honolulu | Honolulu Wood Treating Co, Ltd | Medium | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 565 | Oahu | Honolulu | House Foods, Hawaii (Foremost) | Medium | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 566 | Oahu | Honolulu | HPD & HFD Rotor Wing Facility | Medium | Assessment | No Hazard Hazard Managed with Institutional | NFA | State |
| 567 | Oahu | Honolulu | Innovation Block at Lot C | Low | Response | Controls | Ongoing | State |
| 568 | Oahu | Honolulu | Interisland Maintenance Facility Site Elliot Street | Low | Response | Hazard Undetermined | Ongoing | State |
| 569 | Oahu | Honolulu | International Terminal Building and Hardstand Projects | Low | Response | Hazard Undetermined | Ongoing | State |
| 570 | Oahu | Honolulu | Iolani School Campus Expansion | NFA | Response | No Hazard Hazard Managed with Engineering | NFA | State |
| 571 | Oahu | Honolulu | Island Energy Honolulu Marine Terminal | Medium | Response | Controls Hazard | Ongoing | State |
| 572 | Oahu | Honolulu | Island Movers, Inc. | Low | Assessment | Undetermined | Inactive | State |
| 573 | Oahu | Honolulu | Island Recycling Fire | Low | Assessment | Hazard Undetermined | Ongoing | State |

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 574 | Oahu | Honolulu | Iwilei Center VRP Site 34 | Low | Assessment | Hazard Undetermined | Ongoing | VRP |
| 575 | Oahu | Honolulu | Iwilei Fruits and Produce | Low | Response | Hazard Undetermined | Ongoing | State |
| 576 | Oahu | Honolulu | Iwilei Project Site | Low | Response | Hazard Present | Ongoing | Brownfields |
| 577 | Oahu | Honolulu | Jefferson Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 578 | Oahu | Honolulu | JN Chevrolet UST Closure | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 579 | Oahu | Honolulu | K&Y Auto Service and Wayne's Auto Electric | Low | Assessment | Hazard Present | Ongoing | State |
| 580 | Oahu | Honolulu | Kaahumanu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 581 | Oahu | Honolulu | Kaewai Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 582 | Oahu | Honolulu | Kahala Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 583 | Oahu | Honolulu | Kaiulani Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 584 | Oahu | Honolulu | Kakaako Block C | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 585 | Oahu | Honolulu | Kakaako Brownfield Project-Unit 1 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields |
| 586 | Oahu | Honolulu | Kakaako Brownfield Project-Unit 10 | Low | Assessment | Hazard Managed with Engineering Controls | Ongoing | Brownfields Site |
| 587 | Oahu | Honolulu | Kakaako Brownfield Project-Unit 2 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields Site |
| 588 | Oahu | Honolulu | Kakaako Brownfield Project-Unit 3 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields Site |
| 589 | Oahu | Honolulu | Kakaako Brownfield Project-Unit 4 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields |

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| HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020 | | | | | | | | |
|--|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 590 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Brownfield Project-Unit 5 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields Site |
| 591 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Brownfield Project-Unit 6 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields Site |
| 592 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Brownfield Project-Unit 7 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields Site |
| 593 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Brownfield Project-Unit 8 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields |
| 594 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Brownfield Project-Unit 9 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | Brownfields Site |
| 595 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Improvement District 3 | Medium | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 596 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Improvement District 4 | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 597 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Improvement District 7 | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 598 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Maintenance Shed | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 599 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Makai | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 600 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Makai Brownfields/HCDA | High | Response | Hazard Managed with Institutional Controls | Ongoing | Brownfields |
| 601 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Makai District John Dominis | Medium | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 602 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Makai District Parking Garage-Unit 1and 3 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 603 | | | | | | | | |
| | Oahu | Honolulu | Kakaako Makai District Units 2 and 4 | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 604 | Oahu | Honolulu | Kakaako Makai District Units 6 and 7 | High | Response | Hazard Present | Ongoing | Brownfields |
| 605 | Oahu | Honolulu | Kakaako Mauka | Low | Assessment | Undetermined | Ongoing | Brownfields |
| 606 | Oahu | Honolulu | Kakaako Pump Station | Low | Response | Hazard Present | Ongoing | State |
| 607 | Oahu | Honolulu | Kalihi Elementary School Building Exterior Soils | Low | Assessment | Hazard | Ongoing | State |
| 608 | Oahu | Honolulu | Kalihi Kai Elementary School Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 609 | Oahu | Honolulu | Kalihi Station | Low | Assessment | Hazard | Ongoing | State |
| 610 | Oahu | Honolulu | Kalihi Uka Elementary School Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 611 | Oahu | Honolulu | Kalihi Waena Elementary School Building Exterior Soils | Low | Assessment | Hazard | Ongoing | State |
| 612 | Oahu | Honolulu | Kamehameha Schools - 1336 Dillingham Boulevard | Medium | Response | Undetermined | Ongoing | State |
| 613 | Oahu | HONOLULU | Kamiloiki Elementary School Building Exterior Soils | Low | Assessment | Hazard Present | Ongoing | State |
| 614 | Oahu | Honolulu | Kapalama Container Yard Project | High | Response | Hazard | Ongoing | State |
| 615 | Oahu | Honolulu | Kapalama Elementary School Building Exterior Soils | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 616 | Oahu | Honolulu | Kapalama Incinerator Off-Site Contamination | Medium | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 617 | Oahu | Honolulu | Kapiolani Village Apartments | Low | Assessment | Hazard | NFA | State |
| 618 | Oahu | Honolulu | Kauluwela Elementary School Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 619 | Oahu | Honolulu | Keehi Industrial Lots Improvements (KIPA), Honolulu Harbor | Low | Assessment | Hazard | Ongoing | State |
| 620 | Oahu | Honolulu | Koko Head Abandoned Transformer | Low | Assessment | Undetermined | Ongoing | State |
| 621 | Oahu | Honolulu | Koko Head Elementary School Building Exterior Soils | Low | Assessment | Hazard | Ongoing | State |

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 622 | Oahu | Honolulu | Kokua Kalihi Valley Active Living Center | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 623 | Oahu | Honolulu | Kuakini Medical Center | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 624 | Oahu | Honolulu | Kuhio Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 625 | Oahu | Honolulu | Kuhio Park Terrace, Units D1 and D2 | Low | Response | Hazard Managed with Institutional Controls | Ongoing | Brownfields |
| 626 | Oahu | Honolulu | Lagoon Chevron | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 627 | Oahu | Honolulu | Lanakila Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 628 | Oahu | Honolulu | Leahi Hospital Underground Storage Removal Project | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 629 | Oahu | Honolulu | Liholiho Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 630 | Oahu | Honolulu | Likelike Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 631 | Oahu | Honolulu | Likelike Elementary School Custodian Cottage | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 632 | Oahu | Honolulu | Linapuni Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 633 | Oahu | Honolulu | Lincoln Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 634 | Oahu | Honolulu | Lockheed Air Terminal, Inc. | Medium | Response | Hazard Present | Inactive | Site Discovery |
| 635 | Oahu | Honolulu | Lunalilo Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 636 | Oahu | Honolulu | Maemae Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 637 | Oahu | Honolulu | Makalapa Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 638 | Oahu | Honolulu | Manoa Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 639 | Oahu | Honolulu | Manuwai Drainage Canal | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 640 | Oahu | Honolulu | Marconi Wireless Station Koko Head | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 641 | Oahu | Honolulu | Mayor Wright Homes Redevelopment Project | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 642 | Oahu | Honolulu | McCabe, Hamilton, & Renny Company, Ltd. | Low | Assessment | Hazard Undetermined | Inactive | State |
| 643 | Oahu | Honolulu | Miyazaki Service Station | Low | Assessment | Hazard Undetermined | Inactive | State |
| 644 | Oahu | Honolulu | Moanalua Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 645 | Oahu | Honolulu | Moanalua Medical Center and Clinic | Medium | Response | Hazard Present | Ongoing | State |
| 646 | Oahu | Honolulu | Mokulele Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 647 | Oahu | Honolulu | Navy MFH Camp Stover | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 648 | Oahu | Honolulu | Navy MFH Catlin Park | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 649 | Oahu | Honolulu | Navy MFH Doris Miller Park | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 650 | Oahu | Honolulu | Navy MFH Hale Alii | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 651 | Oahu | Honolulu | Navy MFH Hale Moku | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 652 | Oahu | Honolulu | Navy MFH Halsey Terrace | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 653 | Oahu | Honolulu | Navy MFH Hokulani | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 654 | Oahu | Honolulu | Navy MFH Hospital Point | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 655 | Oahu | Honolulu | Navy MFH Little Makalapa | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 656 | Oahu | Honolulu | Navy MFH Makalapa | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 657 | Oahu | Honolulu | Navy MFH Maloelap | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 658 | Oahu | Honolulu | Navy MFH Marine Barracks | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 659 | Oahu | Honolulu | Navy MFH Moanalua Terrace | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 660 | Oahu | Honolulu | Navy MFH Ohana Military Communities ADMIN FILE | Medium | Response | Hazard Present | Ongoing | State |
| 661 | Oahu | Honolulu | Navy MFH Radford Terrace | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 662 | Oahu | Honolulu | Navy MFH Red Hill Terrace | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 663 | Oahu | Honolulu | Nimitz Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 664 | Oahu | Honolulu | Nimitz Highway Relief Sewer Improvement Project Sumner to Queen | Low | Response | Hazard Present | Ongoing | State |
| 665 | Oahu | Honolulu | NOAA Daniel K. Inouye Regional Center | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 666 | Oahu | Honolulu | Noelani Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 667 | Oahu | Honolulu | Nuuanu Auto Company LTD | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 668 | Oahu | Honolulu | Nuuanu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 669 | Oahu | Honolulu | Ohana Military Communities | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 670 | Oahu | Honolulu | Paiea Redevelopment Property | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 671 | Oahu | Honolulu | | | | | | |

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|-----|---------------|----------------------|------------------------------------|-----------------|---------------|---------------------------------------|--------------------|------------------------|
| 672 | | | | | | Hazard Managed with Institutional | | |
| | Oahu | Honolulu | Pali Highway Lead Contamination | Low | Response | Controls | Ongoing | State |
| 673 | | | Palolo Elementary School Building | | | Hazard | | |
| | Oahu | Honolulu | Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 674 | | | Parking Lot C and J Transformer | | | Hazard | | |
| | Oahu | Honolulu | Replacement | Low | Response | Undetermined | Ongoing | State |
| 675 | | | Pauoa Elementary School Building | | | Hazard | | |
| | Oahu | Honolulu | Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 676 | | | Pearl Harbor Elementary School | | | Hazard | | |
| | Oahu | Honolulu | Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 677 | | | Pearl Harbor Kai Elementary | | | Hazard | | |
| | Oahu | Honolulu | School Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 678 | | | | | | Hazard | | |
| | Oahu | Honolulu | Pier 12 and Pier 15 Improvements | Medium | Assessment | Undetermined | Ongoing | State |
| 679 | | | Pier 20 Dredge Project, Honolulu | | | Hazard | | |
| | Oahu | Honolulu | Harbor | Low | Assessment | Undetermined | Ongoing | State |
| 680 | | | | | | Hazard | | |
| | Oahu | Honolulu | Polynesian Hospitality | Low | Response | Undetermined | Inactive | State |
| 681 | | | Pukoloa Wood Treating Site | | | | | |
| | Oahu | Honolulu | (formerly Servco Pacific Inc.) | Medium | Response | Hazard Present | Ongoing | State |
| 682 | | | Punahou School Grades 2-5 | | | | | |
| | Oahu | Honolulu | Project | Medium | Response | Hazard Present | Ongoing | State |
| 683 | | | | | | Hazard Managed with Institutional | | |
| | Oahu | Honolulu | Punahou School Winne Units C and D | Medium | Response | Controls | Ongoing | State |
| 684 | | | Puuhale Elementary School | | | Hazard | | |
| | Oahu | Honolulu | Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 685 | | | | | | Hazard | | |
| | Oahu | Honolulu | Queens Medical Center | Low | Assessment | Undetermined | Ongoing | State |
| 686 | | | Radford High School Field & | | | Hazard | | |
| | Oahu | Honolulu | Athletic Complex | Medium | Response | Undetermined | Ongoing | State |
| 687 | | | Red Hill Elementary School | | | Hazard | | |
| | Oahu | Honolulu | Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |
| 688 | | | | | | Hazard | | |
| | Oahu | Honolulu | Reef Runway | Low | Assessment | Undetermined | Ongoing | State |
| 689 | | | Ritz Carlton Waikiki Residence & | | | | | |
| | Oahu | Honolulu | Resort | Medium | Response | Hazard Present | Ongoing | State |

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|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 690 | Oahu | Honolulu | Roosevelt High School Firing Range | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 691 | Oahu | Honolulu | Royal Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 692 | Oahu | Honolulu | Salt Lake Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 693 | Oahu | Honolulu | Sand Island Access Road Area-wide Petroleum Release | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 694 | Oahu | Honolulu | Sause Brothers | Low | Response | Hazard Present | Ongoing | State |
| 695 | | | | | | Hazard Managed with Institutional Controls | | |
| 696 | Oahu | Honolulu | Servco Pacific, Inc. Kalihi Shafter Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 697 | Oahu | Honolulu | | | | Hazard Managed with Institutional Controls | | |
| 698 | Oahu | Honolulu | Shell Station Demolition Site - Lagoon Drive and Ualena Street | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 699 | Oahu | Honolulu | Shidler College of Business Site Improvements | Low | Assessment | Hazard Undetermined | Inactive | State |
| 700 | Oahu | Honolulu | Sky Ala Moana | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 701 | Oahu | Honolulu | Superblock Project | Low | Assessment | Hazard Undetermined | Inactive | State |
| 702 | Oahu | Honolulu | Tajiri Lumber | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 703 | Oahu | Honolulu | Tesoro Hawaii Corporation, Terminal Department-Sand Island | Medium | Response | Hazard Present | Ongoing | State |
| 704 | Oahu | Honolulu | Towco - Sand Island | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 705 | Oahu | Honolulu | Ualena Street Phase I Parcels | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 706 | Oahu | Honolulu | UH Manoa Henke Hall | Low | Response | Hazard Present | Ongoing | State |
| 707 | Oahu | Honolulu | University Laboratory School Buildings 1 and 2 | Low | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| | Oahu | Honolulu | University of Hawaii - Bilger Addition Compressor Room | Low | Assessment | Hazard Undetermined | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 708 | Oahu | Honolulu | University of Hawaii Interchange | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 709 | Oahu | Honolulu | University of Hawaii Kennedy Theatre Orchestra Platform | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 710 | Oahu | Honolulu | University of Hawaii Marine Center Relocation Area Piers 34 and 35 | Medium | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 711 | Oahu | Honolulu | Verizon Wireless, HON Point Panic Cell Site | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 712 | Oahu | Honolulu | Vermiculite of Hawaii Mokumoa Street | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 713 | Oahu | Honolulu | Waialae Elementary Public Charter School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 714 | Oahu | Honolulu | Waikiki Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 715 | Oahu | Honolulu | Waikiki Sand Villa II | Low | Assessment | Hazard Undetermined | Inactive | State |
| 716 | Oahu | Honolulu | Wallys Garden Center | Low | Assessment | Hazard Present | Inactive | State |
| 717 | Oahu | Honolulu | Ward Center Parking Lot | Medium | Response | Hazard Present | Ongoing | State |
| 718 | Oahu | Honolulu | Ward Village Gateway Demolition and Parking Project | Low | Assessment | Hazard Undetermined Hazard Managed with Engineering Controls | Ongoing | State |
| 719 | Oahu | Honolulu | Weyerhaeuser Wilson Elementary School Building Exterior Soils | High | Response | Hazard Undetermined | Inactive | State |
| 720 | Oahu | Honolulu | Yee Hop Building Maunakea Street | Low | Assessment | Hazard Present | Ongoing | State |
| 721 | Oahu | Honolulu | Yee Hop Property | Low | Response | Hazard Undetermined | Ongoing | State |
| 722 | Oahu | Honolulu | Young Brothers, Ltd. Piers 24-28 | Medium | Assessment | Hazard Present | Ongoing | State |
| 723 | Oahu | Honolulu | Young Brothers, Ltd. Piers 39, 40 | Low | Response | Hazard Undetermined | Ongoing | State |
| 724 | Oahu | Honolulu | Zippy's 634 N Nimitz Highway | Low | Assessment | Hazard Managed with Engineering Controls | Ongoing | State |

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|---------------------------------------|--------------------|------------------------|
| 726 | Oahu | Kaaawa | Kaaawa Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 727 | Oahu | Kahuku | FAA Kahuku Point Former Range Facility | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 728 | Oahu | Kahuku | Kahuku Airfield Military Reservation Radio Range | Medium | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 729 | Oahu | Kahuku | Kahuku Arsenic Property | Medium | Assessment | Hazard Present | Ongoing | Site Discovery |
| 730 | Oahu | Kahuku | Kahuku Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 731 | Oahu | Kahuku | Kahuku Medical Center UST | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 732 | Oahu | Kahuku | Makani Uwila Wind Farm Turbine Oil Leaks | NFA | Assessment | No Hazard | NFA | State |
| 733 | Oahu | Kahuku | Marconi Wireless Radio Transmitting Site | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 734 | Oahu | Kailua | 76 Service Station Hydraulic Hoist | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 735 | Oahu | Kailua | Aikahi Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 736 | Oahu | Kailua | C&C Facility Maintenance Kapaa Quarry Rd. Baseyard | Medium | Response | Hazard Present | Ongoing | State |
| 737 | Oahu | Kailua | Countryside Apartments | High | Response | Hazard Present | Ongoing | Fast Track |
| 738 | Oahu | Kailua | Enchanted Lake Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 739 | Oahu | Kailua | Exempt Underground Storage Tank at Hookipa Cottage | Low | Assessment | Hazard Present | Ongoing | State |
| 740 | Oahu | Kailua | Honolulu Skeet Club | Medium | Response | Hazard Present | Ongoing | State |
| 741 | Oahu | Kailua | Kaelepulu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 742 | Oahu | Kailua | Kailua Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 743 | Oahu | Kailua | Kainalu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 744 | Oahu | Kailua | Kapaa Landfill Kapaa Quarry Road | Low | Response | Hazard Undetermined | Ongoing | State |
| 745 | Oahu | Kailua | Keolu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 746 | Oahu | Kailua | Lanikai Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 747 | Oahu | Kailua | Malunui Avenue Oil Contamination | Low | Assessment | Hazard Undetermined | Inactive | State |
| 748 | Oahu | Kailua | Maunawili Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 749 | Oahu | Kailua | Mokapu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 750 | Oahu | Kakaako | Kakaako Transpacific Broadband Conduit | Low | Assessment | Hazard Undetermined | Ongoing | Brownfields |
| 751 | Oahu | Kalaeloa | HIARNG Kalaeloa Army Aviation Support Facility #1-JRF | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 752 | Oahu | Kalaeloa | Par Kalaeloa Harbor Pier 5 Pipeline Release | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 753 | Oahu | Kaneohe | Ahuimanu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 754 | Oahu | Kaneohe | Caesar's Cleaners | Medium | Response | Hazard Managed with Engineering Controls | Inactive | State |
| 755 | Oahu | Kaneohe | Heeia Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 756 | Oahu | Kaneohe | Kahaluu Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 757 | Oahu | Kaneohe | Kaneohe Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 758 | Oahu | Kaneohe | Kapunahala Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 759 | Oahu | Kaneohe | Koolau Chevron Parker Elementary School Building Exterior Soils | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 760 | Oahu | Kaneohe | Puohala Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 761 | Oahu | Kaneohe | Waiahole Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 762 | Oahu | Kaneohe | Marines MFH MCBH Hana Like Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 763 | Oahu | Kaneohe MCBH | Marines MFH MCBH Hana Like | Medium | Assessment | Hazard Undetermined | Ongoing | State |

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---------------------------------------|-----------------|---------------|--|--------------------|------------------------|
| 764 | Oahu | Kaneohe MCBH | Marines MFH MCBH Hawaii Loa | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 765 | Oahu | Kaneohe MCBH | Marines MFH MCBH Heleloa | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 766 | Oahu | Kaneohe MCBH | Marines MFH MCBH Kaluapuni | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 767 | Oahu | Kaneohe MCBH | Marines MFH MCBH Kaneohe ADMIN FILE | High | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 768 | Oahu | Kaneohe MCBH | Marines MFH MCBH Kapoho | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 769 | Oahu | Kaneohe MCBH | Marines MFH MCBH Mololani | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 770 | Oahu | Kaneohe MCBH | Marines MFH MCBH Nani Ulupau | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 771 | Oahu | Kaneohe MCBH | Marines MFH MCBH Pa Honua III | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 772 | Oahu | Kaneohe MCBH | Marines MFH MCBH Ulupau | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 773 | Oahu | Kaneohe MCBH | Marines MFH MCBH Waikulu Manning | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 774 | Oahu | Kaneohe MCBH | Marines MFH MCBH Waikulu Mokapu Court | Medium | Assessment | Hazard Undetermined | Ongoing | State |
| 775 | Oahu | Kaneohe MCBH | Marines MFH MCBH Waikulu NCO Row | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 776 | Oahu | Kaneohe MCBH | Marines MFH MCBH Waikulu Rainbow | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|---------------------------------------|--------------------|------------------------|
| 777 | Oahu | Kapolei | Barbers Point Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 778 | Oahu | Kapolei | Barbers Point Harbor | Medium | Assessment | Hazard Undetermined | Inactive | State |
| 779 | Oahu | Kapolei | Building 128 and Building 484, Bougainville Ave | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 780 | Oahu | Kapolei | Campbell Industrial Park Area-wide Stream/Canal Sediment Study | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 781 | Oahu | Kapolei | Campbell Industrial Park Petroleum Sheen on Groundwater | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 782 | Oahu | Kapolei | Petroleum Sheen on Groundwater | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 782 | Oahu | Kapolei | Chevron USA Hawaiian Refinery | Medium | Assessment | Undetermined | Inactive | State |
| 783 | Oahu | Kapolei | Chevron USA Products Co., Hawaii Refinery, Marine Line Release | Low | Response | Hazard Present | Inactive | State |
| 784 | Oahu | Kapolei | CoVan Warehouse | Low | Response | Hazard Present | Inactive | State |
| 785 | Oahu | Kapolei | Covanta HPOWER RDF Ash Tower | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 786 | Oahu | Kapolei | D.R. Horton | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 787 | Oahu | Kapolei | Delta Construction Base Yard Diesel Fuel Release Response Assessment-Grace Pacific Kalaeloa | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 788 | Oahu | Kapolei | Asphalt Plant | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 789 | Oahu | Kapolei | Ewa Feedlot Property | Medium | Response | Hazard Present Hazard | Inactive | Brownfields |
| 790 | Oahu | Kapolei | Hanua Street Fugitive Oil | Low | Assessment | Hazard Undetermined | Inactive | State |
| 791 | Oahu | Kapolei | Hanua Street Petroleum on Groundwater | Medium | Response | Hazard Undetermined | Ongoing | State |
| 792 | Oahu | Kapolei | Honolulu Wood Treating Company Mineral Spirits Release | Low | Response | Hazard Undetermined | Ongoing | State |
| 793 | Oahu | Kapolei | Island Energy Kapolei Terminal | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 794 | Oahu | Kapolei | Kalaeloa Airport Day Tank Warehouse | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 795 | Oahu | Kapolei | Kalaeloa Cogeneration Plant | Low | Assessment | Hazard Undetermined | Inactive | State |

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HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 796 | Oahu | Kapolei | Kalaeloa Redevelopment Program | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 797 | Oahu | Kapolei | Kapolei Business Park Perchloroethylene in Soil | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 798 | Oahu | Kapolei | Kapolei Chevron Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 799 | Oahu | Kapolei | Makakilo Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 800 | Oahu | Kapolei | Mauka Lani Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 801 | Oahu | Kapolei | PAR Refinery Manifold Kapolei | Low | Assessment | Undetermined | Ongoing | State |
| 802 | Oahu | Kapolei | Tesoro Oil Spill NRDA/single buoy mooring Barbers Point Harbor Oil Spill 8/24/98 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 803 | Oahu | Kapolei | Used Oil Storage Tank #5 | Low | Response | Hazard Undetermined | Ongoing | State |
| 804 | Oahu | Kunia | Central Oahu Wells | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 805 | Oahu | Kunia | Del Monte Corporation Oahu Plantation | Low | Response | Hazard Managed with Engineering Controls | Ongoing | NPL |
| 806 | Oahu | Kunia | Ewa Sugar Mill/Oahu Sugar Co. - Kunia Staging Area | Medium | Response | Hazard Present Hazard | Ongoing | State |
| 807 | Oahu | Kunia | Kunia Wells I | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 808 | Oahu | Kunia | Kunia Wells II | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 809 | Oahu | Laie | Kahawainui Stream Sediment Management | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 810 | Oahu | Laie | Laie Elementary School Building Exterior Soils | Low | Assessment | Undetermined Hazard Managed with Engineering Controls | Ongoing | State |
| 811 | Oahu | Maili | 84-Acre Portion of the Former Voice of America Site | Low | Response | Hazard Undetermined | NFA | State |
| 812 | Oahu | Maili | Hale Makana O Maili | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 813 | Oahu | Maili | Ka Pua Learning Center | Low | Assessment | Hazard Undetermined | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 814 | Oahu | Makaha | Makaha Valley Redevelopment | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 815 | Oahu | Makakilo | Grace Pacific Lower Makakilo Quarry | Low | Assessment | Hazard Undetermined | Ongoing | VRP |
| 816 | Oahu | Mililani | Kipapa Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 817 | Oahu | Mililani | Mililani Uka Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 818 | Oahu | Mililani | Mililani Waena Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 819 | Oahu | Mililani | Mililani Wells I | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 820 | Oahu | Mililani | Mililani Wells II | Low | Response | Hazard Undetermined | Ongoing | State |
| 821 | Oahu | Mililani | Proposed Site of Mililani Mauka II Elementary School | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 822 | Oahu | Mililani | Unocal Service Station 7587 | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 823 | Oahu | Nuuanu | Nuuanu No.1 Reservoir | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 824 | Oahu | Oahu-wide | DOE Oahu Elementary Schools Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 825 | Oahu | Off shore | Lanikai Off-shore Unexploded Ordnance | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 826 | Oahu | Pearl City | 406 Kamehameha Highway | Medium | Assessment | Hazard Present Hazard Managed | Ongoing | State |
| 827 | Oahu | Pearl City | DOH Waimano Home Road Campus | Low | Assessment | with Engineering Controls Hazard | Inactive | Brownfields Site |
| 828 | Oahu | Pearl City | HART Banana Patch | Medium | Assessment | Undetermined | Ongoing | State |
| 829 | Oahu | Pearl City | Hawaiian Electric Co.-Waiiau Generating Station | Medium | Response | Hazard Present | Ongoing | State |
| 830 | Oahu | Pearl City | HECO Waiiau Generating Station Tank 4 | Low | Response | Hazard Present | Ongoing | State |
| 831 | Oahu | Pearl City | HECO Waiiau Generating Station Unit 5 PCB Cleanup | Medium | Response | Hazard Present Hazard | Inactive | State |
| 832 | Oahu | Pearl City | Lehua Elementary School Building Exterior Soils | Low | Assessment | Undetermined | Ongoing | State |

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| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|--|--------------------|------------------------|
| 833 | Oahu | Pearl City | Manana Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 834 | Oahu | Pearl City | Marines MFH Manana Momilani Elementary School | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 835 | Oahu | Pearl City | Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 836 | Oahu | Pearl City | Navy MFH Manana | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 837 | Oahu | Pearl City | Navy MFH Pearl City Peninsula | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 838 | Oahu | Pearl City | Noble's Auto Transmission | Low | Response | Hazard Present | Ongoing | State |
| 839 | Oahu | Pearl City | Palisades Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 840 | Oahu | Pearl City | Pearl City Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 841 | Oahu | Pearl City | Pearl City Midas | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 842 | Oahu | Pearl City | Pearl City Urban Garden Center | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 843 | Oahu | Pearl City | Pearlridge Station | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 844 | Oahu | Pearl City | RHS Lee Baseyard | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 845 | Oahu | Pearl City | RHS Lee Baseyard Northern Area | Low | Response | Hazard Present | Ongoing | State |
| 846 | Oahu | Pearl City | RHS Lee Baseyard Southern Area | Low | Response | Hazard Undetermined | Ongoing | State |
| 847 | Oahu | Pearl City | RHS Lee Baseyard Waiawa Stream Bank Areas | Medium | Response | No Hazard | NFA | State |
| 848 | Oahu | Pearl City | Waiawa Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 849 | Oahu | Pearl City | Waiawa Shaft | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 850 | Oahu | Pearl Harbor | Navy Base - Pearl Harbor | Low | Assessment | Hazard Undetermined | Ongoing | State |

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|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 851 | Oahu | Pearl Harbor | Pearl Harbor Naval Complex | Medium | Response | Hazard Undetermined | Ongoing | NPL |
| 852 | Oahu | Pearl Harbor | Pearl Harbor Pier Bravo 1 On-going Subsurface Release | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 853 | Oahu | Pearl Harbor | Pearl Harbor Sediment Study DU E-2 | High | Assessment | Hazard Present | Ongoing | State |
| 854 | Oahu | Sand Island | Former Bills Crane Service Inc | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 855 | Oahu | Schofield Barracks | Army MFH SB Akolea | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 856 | Oahu | Schofield Barracks | Army MFH SB Aloala | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 857 | Oahu | Schofield Barracks | Army MFH SB Canby | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 858 | Oahu | Schofield Barracks | Army MFH SB Generals Loop | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 859 | Oahu | Schofield Barracks | Army MFH SB Hamilton | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 860 | Oahu | Schofield Barracks | Army MFH SB Kaena | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 861 | Oahu | Schofield Barracks | Army MFH SB Leader Field | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 862 | Oahu | Schofield Barracks | Army MFH SB Mendonca Park | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 863 | Oahu | Schofield Barracks | Army MFH SB Moyer | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 864 | Oahu | Schofield Barracks | Army MFH SB Patriot | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |

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|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 865 | Oahu | Schofield Barracks | Army MFH SB Porter | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 866 | Oahu | Schofield Barracks | Army MFH SB Ralston | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 867 | Oahu | Schofield Barracks | Army MFH SB Santa Fe | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 868 | Oahu | Schofield Barracks | Army MFH SB Solomon | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 869 | Oahu | Schofield Barracks | Hale Kula Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 870 | Oahu | Schofield Barracks | Solomon Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 871 | Oahu | Statewide | All State-Owned Airports | Low | Assessment | Hazard Managed with Institutional Controls | Ongoing | State |
| 872 | Oahu | Statewide | DOE Statewide School Study | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 873 | Oahu | Tripler AMC | Army MFH TAMC Rainbow Village | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 874 | Oahu | Wahiawa | Del Monte Wahiawa Pesticide Mixing Area | Low | Response | Hazard Undetermined | Ongoing | Site Discovery |
| 875 | Oahu | Wahiawa | Dole Company Wahiawa Pesticide Mixing Area | Medium | Response | Hazard Present | Ongoing | Site Discovery |
| 876 | Oahu | Wahiawa | Helemano Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 877 | Oahu | Wahiawa | Helemano Wilderness Area Firing Ranges | NFA | Response | Hazard Managed with Institutional Controls | NFA | State |
| 878 | Oahu | Wahiawa | HMR TEMF Site (vic Bldg HMR 210) | Low | Response | Hazard Undetermined | Ongoing | State |
| 879 | Oahu | Wahiawa | Iliahi Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 880 | Oahu | Wahiawa | Kaala Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 881 | Oahu | Wahiawa | Leilehua High School Firing Range | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 882 | Oahu | Wahiawa | Naval Computer & Telecommunication Area Master Station (NCTAMS) | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | NPL |
| 883 | Oahu | Wahiawa | Navy MFH NCTAMS PAC Wahiawa | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 884 | Oahu | Wahiawa | Poamoho Rag Disposal Area | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 885 | Oahu | Wahiawa | Solomon Elementary School | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 886 | Oahu | Wahiawa | Used Oil AST | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 887 | Oahu | Wahiawa | Wahiawa ADC Project | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 888 | Oahu | Wahiawa | Wahiawa Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 889 | Oahu | Wahiawa | Wheeler Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 890 | Oahu | Waialua | Dillingham Airfield and Gliderport | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 891 | Oahu | Waialua | Kahaulelio/Saguibo Waialua Properties | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 892 | Oahu | Waialua | Waialua Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 893 | Oahu | Waialua | Waialua Sugar Company, Inc. | Low | Assessment | Hazard Undetermined | Ongoing | PA/SI |
| 894 | Oahu | Waialua | Waialua Sugar Mill Settling Ponds | Medium | Assessment | Hazard Managed with Engineering Controls | Ongoing | VRP |
| 895 | Oahu | Waianae | Grace Pacific Farrington Highway | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 896 | Oahu | Waianae | Waianae | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 897 | Oahu | Waianae | Industrial Technology Tire Pile Kamaile Academy Public Charter School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 898 | Oahu | Waianae | Leihoku Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|--|-----------------|---------------|---|--------------------|------------------------|
| 899 | Oahu | Waianae | Maili Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 900 | Oahu | Waianae | Makaha Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 901 | Oahu | Waianae | Nanakuli Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 902 | Oahu | Waianae | Waianae Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 903 | Oahu | Waianae | Waianae Elementary School diesel UST | Low | Assessment | Hazard Managed with Institutional Controls | NFA | State |
| 904 | Oahu | Waianae | Waianae High School Outdoor Air Rifle Range | Low | Response | Hazard Undetermined | Ongoing | State |
| 905 | Oahu | Waianae | Waianae Sugar Company Pesticide Mixing Area | Low | Assessment | Hazard Undetermined | Ongoing | Site Discovery |
| 906 | Oahu | Waikiki | Waikiki Kuhio Collection KiiKii Stream Maintenance | Low | Assessment | No Hazard | NFA | State |
| 907 | Oahu | Wailua | Dredging | Low | Response | Hazard Present Hazard Managed with Engineering Controls | Ongoing | State |
| 908 | Oahu | Waimanalo | Air Force MFH Bellows Renovation | High | Response | Hazard Undetermined | Ongoing | State |
| 909 | Oahu | Waimanalo | Kuni's Chevron Service | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 910 | Oahu | Waimanalo | Pope Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 911 | Oahu | Waimanalo | University of Hawaii, Waimanalo Experimental Farm | Low | Assessment | Hazard Undetermined | Inactive | State |
| 912 | Oahu | Waimanalo | Waimanalo Areawide Groundwater Contamination | Low | Assessment | Hazard Present | Inactive | State |
| 913 | Oahu | Waimanalo | Waimanalo Elementary and Intermediate School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 914 | Oahu | Waimanalo | Waimanalo Sugar Company PMA | Low | Assessment | Hazard Undetermined | Ongoing | PA/SI |
| 915 | Oahu | Waipahu | 94-250 Mokuola St | Low | Assessment | Hazard Present | Ongoing | State |
| 916 | Oahu | Waipahu | August Ahrens Elementary School Building Exterior Soils | Low | Assessment | Hazard Undetermined | Ongoing | State |
| 917 | Oahu | Waipahu | Clover Sinkers Lead Weight Manufacturing | Medium | Response | No Hazard | NFA | State |

HSRP LIST OF PRIORITY SITES FY2020

HAWAII STATE RESPONSE PROGRAM LIST OF PRIORITY SITES FY 2020

| | <u>Island</u> | <u>Locality Name</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
|-----|---------------|----------------------|---|-----------------|---------------|--|--------------------|------------------------|
| 918 | Oahu | Waipahu | Hans Metals | Low | Response | Hazard Managed with Institutional Controls | Ongoing | State |
| 919 | Oahu | Waipahu | Honolulu Rail Transit Project - Farrington Guideway Segment | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 920 | Oahu | Waipahu | Honowai Elementary School Building Exterior Soils | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 921 | Oahu | Waipahu | Kaleiopuu Elementary School Building Exterior Soils | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 922 | Oahu | Waipahu | Kaleiopuuu Elementary School Expansion | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 923 | Oahu | Waipahu | Kanoelani Elementary School Building Exterior Soils | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 924 | Oahu | Waipahu | Navy MFH Ford Island | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 925 | Oahu | Waipahu | Oahu Sugar Company - Seed Vat | Low | Assessment | Undetermined Hazard | Ongoing | Site Discovery |
| 926 | Oahu | Waipahu | Waipahu Dry Cleaners | Medium | Response | Hazard Present | Ongoing | State |
| 927 | Oahu | Waipahu | Waipahu Elementary School Building Exterior Soils | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 928 | Oahu | Waipahu | Waipio Heights Wells II | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 929 | Oahu | Waipio | Ewa Sugar Mill/Oahu Sugar Co. - Waipio Peninsula | Low | Assessment | Undetermined Hazard | Ongoing | State |
| 930 | Oahu | Waipio | Koa Ridge Development | NFA | Assessment | No Hazard | NFA | State |
| 931 | Oahu | Wheeler AAF | Army MFH WAAF Kunia | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 932 | Oahu | Wheeler AAF | Army MFH WAAF Puali North | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 933 | Oahu | Wheeler AAF | Army MFH WAAF Puali South | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |
| 934 | Oahu | Wheeler AAF | Army MFH WAAF Wiliwili | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | State |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
|--|---------------------|--|---|---------------|---------------------------------------|-----------------------|------------------------|------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 1 | Hawaii | Air Force, Hilo Air National Guard Station | General Lyman Airfield | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 2 | Hawaii | Army, Corps of Engineers | FUDS Ammunition Storage Point No.2 | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 3 | Hawaii | Army, Corps of Engineers | FUDS Army Impact Range | Low | Assessment | Hazard Present Hazard | Ongoing | FUDS |
| 4 | Hawaii | Army, Corps of Engineers | FUDS Camp Furneaux (Olaa) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 5 | Hawaii | Army, Corps of Engineers | FUDS Cross Island Road (Mauna Kea) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 6 | Hawaii | Army, Corps of Engineers | FUDS Firing Range and Camp, Lalamilo, Hawaii | High | Response | Hazard Present Hazard | Ongoing | FUDS |
| 7 | Hawaii | Army, Corps of Engineers | FUDS General Lyman Field | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 8 | Hawaii | Army, Corps of Engineers | FUDS Ka'u Bombing Range | Medium | Assessment | Hazard Present Hazard | Ongoing | FUDS |
| 9 | Hawaii | Army, Corps of Engineers | FUDS Kaumana Camp (Hilo) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 10 | Hawaii | Army, Corps of Engineers | FUDS Keaa Bombing Target | Low | Assessment | Hazard Present Hazard | Ongoing | FUDS |
| 11 | Hawaii | Army, Corps of Engineers | FUDS Kilauea Military Camp (Hawaii Volcanoes National Park) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 12 | Hawaii | Army, Corps of Engineers | FUDS Kinooole Camp (Waiakea) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 13 | Hawaii | Army, Corps of Engineers | FUDS Quartermaster Bakery (Kamuela) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 14 | Hawaii | Army, Corps of Engineers | FUDS Upolu Point Military Reservation | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 15 | Hawaii | Army, Corps of Engineers | FUDS Wahine Maka Nui Target | Low | Assessment | Hazard Present Hazard | Ongoing | FUDS |
| 16 | Hawaii | Army, Corps of Engineers | FUDS Waiakea Forest Reserve | Low | Assessment | Undetermined Hazard | Ongoing | FUDS |
| 17 | Hawaii | Army, Corps of Engineers | FUDS Waiakea Storage Area | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 18 | Hawaii | Army, Corps of Engineers | FUDS Waianuenu Camp (Hilo) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 19 | Hawaii | Army, Corps of Engineers | FUDS Waikoloa Maneuver Area | Medium | Response | Hazard Present Hazard | Ongoing | FUDS |
| 20 | Hawaii | Army, Corps of Engineers | Mahukona Range FUDS MMRP | Low | Assessment | Hazard Present Hazard | Ongoing | FUDS |
| 21 | Hawaii | Army, Corps of Engineers | Nansay Hawaii (Ouli & Puako) | Low | Assessment | Hazard Present Hazard | Ongoing | FUDS |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
|--|---------------------|-------------------------------|---|---------------|---------------------------------------|------------------------|------------------------|-------|
| Island | Installation | Site Name | Priority | Action | Potential Hazards and Controls | Site Status | Cleanup Program | |
| 22 | Hawaii | Army, Corps of Engineers | Pakini Bombing Range, Kau, Hawaii | Medium | Assessment | Hazard Present | Ongoing | FUDS |
| 23 | Hawaii | Army, Kilauea Military Camp | Kilauea Military Camp, Old Transformer Storage Area | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 24 | Hawaii | Army, Kilauea Military Camp | Kilauea Military Camp, POL Area, Former Lab, & Former Landfill | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 25 | Hawaii | Army, Kilauea Military Camp | Kilauea Military Reservation | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 26 | Hawaii | Army, Kilauea Military Camp | Kilauea Military Reservation MMRP Kau Desert Impact Training Area | Medium | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 27 | Hawaii | Army, Pohakuloa Training Area | Pohakuloa Training Area MMRP | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 28 | Hawaii | Army, Pohakuloa Training Area | Pohakuloa Training Area Range Facility | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 29 | Hawaii | Army, Pohakuloa Training Area | Pohakuloa Training Area, Humuula Sheet Station West (PTA-001-R-01) | Medium | Assessment | Hazard Present | Ongoing | MMRP |
| 30 | Hawaii | Army, Pohakuloa Training Area | Pohakuloa Training Area, Kulani Boys' Home (PTA-002-R-01) | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 31 | Hawaii | Army, Pohakuloa Training Area | Pohakuloa Training Area, Kulani Boys' Home Burn Pile (PTA-002-R-02) | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 32 | Hawaii | Army, Pohakuloa Training Area | Pohakuloa Training Area, Pu'u Pa'a | Low | Response | Hazard Present | Ongoing | MMRP |
| 33 | Hawaii | Army, Pohakuloa Training Area | Pohakuloa Training Area, Vehicle Refueling Area | Low | Assessment | Hazard Undetermined | Inactive | MMRP |
| 34 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area 15 | Medium | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 35 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area 16 A, B, C, D, E | Medium | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 36 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area 17 A, B, C, E, F | Medium | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 37 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area 17 D | Medium | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 38 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area A | Medium | Assessment | Hazard Undetermined | Ongoing | DSMOA |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | |
|--|---------------------|------------------------------|---|---------------|---------------------------------------|--|------------------------|
| Island | Installation | Site Name | Priority | Action | Potential Hazards and Controls | Site Status | Cleanup Program |
| 39 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area B | Medium | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 40 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area BOQJ | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 41 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area C | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 42 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area D | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 43 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area E | Medium | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 44 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area F | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 45 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area G | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 46 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area H | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 47 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area I | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 48 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area J | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 49 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area K | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 50 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area L | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 51 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area M | Medium | Response | Hazard Present | Ongoing DSMOA |
| 52 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area N | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 53 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area O | Medium | Assessment | Hazard Undetermined | Ongoing FUDS |
| 54 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area P | Medium | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 55 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area P, Jack Hall Kona Memorial Parcel | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 56 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area P, Kaialulu O Waikoloa (KOW) | NFA | Assessment | Hazard Managed with Institutional Controls | NFA MMRP |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
|--|---------------------|------------------------------------|--|---------------|---------------------------------------|--|------------------------|-------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 57 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area P, Kamakoa Nui | NFA | Assessment | Hazard Managed with Institutional Controls | NFA | MMRP |
| 58 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area P, Kamakoa Workforce Housing Parcels | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 59 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area P, Ke Kumu | NFA | Assessment | Hazard Managed with Institutional Controls | NFA | MMRP |
| 60 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area P, Plumeria Parcel | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 61 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area P, Waikoloa Family Affordable (WFA) | NFA | Assessment | Hazard Managed with Institutional Controls | NFA | MMRP |
| 62 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area Q | Medium | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 63 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area Q, Lalamilo Phase 2 | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 64 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area R | Medium | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 65 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area S | Medium | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 66 | Hawaii | Army, Waikoloa Maneuver Area | FUDS Waikoloa Maneuver Area, Area T | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 67 | Johnston Atoll | Army, Johnston Atoll | Johnston Atoll | Low | Assessment | Hazard Undetermined | Ongoing | Army |
| 68 | Kahoolawe | Navy, Marine Corps | Kahoolawe Island (HI6170090074) | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 69 | Kauai | Air Force, Kokee Air Force Station | Kokee Air Force Station | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 70 | Kauai | Army, Camp Makaweli | FUDS Camp Makaweli Regimental Combat Team Training Campsite | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 71 | Kauai | Army, Corps of Engineers | FUDS 1st Station Hospital | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 72 | Kauai | Army, Corps of Engineers | FUDS Ahukini | Low | Assessment | Hazard Present | Ongoing | FUDS |
| 73 | Kauai | Army, Corps of Engineers | FUDS Anahola- Moloaa Artillery Impact Area | Low | Assessment | Hazard Undetermined | Inactive | FUDS |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
|--|---------------------|---|--|---------------|---------------------------------------|--|------------------------|------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 74 | Kauai | Army, Corps of Engineers | FUDS Bonham Air Force Base | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 75 | Kauai | Army, Corps of Engineers | FUDS Division Headquarters (Kalaheo) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 76 | Kauai | Army, Corps of Engineers | FUDS Eleele Quartermaster Station | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 77 | Kauai | Army, Corps of Engineers | FUDS Grove Farm Artillery Range, Kauai | Low | Response | Hazard Managed with Engineering Controls | Ongoing | FUDS |
| 78 | Kauai | Army, Corps of Engineers | FUDS Kapaa Division Training Camp | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 79 | Kauai | Army, Corps of Engineers | FUDS Kauai Amphibious Training Center | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 80 | Kauai | Army, Corps of Engineers | FUDS Kekaha Military Reservation | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 81 | Kauai | Army, Corps of Engineers | FUDS Kekaha School Lot | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 82 | Kauai | Army, Corps of Engineers | FUDS Koloa Bakery | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 83 | Kauai | Army, Corps of Engineers | FUDS Koloa Ice Plant | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 84 | Kauai | Army, Corps of Engineers | FUDS Puulani Radar Station | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 85 | Kauai | Army, Corps of Engineers | FUDS Wailua Aeroplane Landing Field | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 86 | Kauai | Army, Corps of Engineers | FUDS Wailua Rifle Range | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 87 | Kauai | Army, Corps of Engineers | FUDS Waimea Crash Boat Base | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 88 | Kauai | Army, Corps of Engineers | FUDS Waimea School | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 89 | Kauai | Army, Corps of Engineers | FUDS Waimea Training Site | Medium | Assessment | Hazard Present | Ongoing | FUDS |
| 90 | Kauai | Navy, Pacific Missile Range Facility | Pacific Missile Range Facility (HI6170024719) | Medium | Assessment | Hazard Undetermined | Ongoing | IRP |
| 91 | Kauai | Navy, Pacific Missile Range Facility | PMRF, Battery Acid Disposal Pit | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 92 | Kauai | Navy, Pacific Missile Range Facility | PMRF, Crash Crew Firefighting Pit 1 | Low | Assessment | Hazard Undetermined | Inactive | IRP |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
|--|---------------------|--|---|---------------|---------------------------------------|--------------------------|------------------------|-------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 93 | Kauai | Navy, Pacific Missile Range Facility | PMRF, Firefighting Pit No. 2 | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 94 | Kauai | Navy, Pacific Missile Range Facility | PMRF, Landfill Site | Medium | Response | Hazard Undetermined | Ongoing | IRP |
| 95 | Lanai | Army, Corps of Engineers | FUDS Lanai Bombing Target Hulopoe Bay | Medium | Assessment | Hazard Present Hazard | Ongoing | FUDS |
| 96 | Lanai | Army, Corps of Engineers | FUDS Lanai Bombing Target Kaena Point | Low | Assessment | Undetermined Hazard | Ongoing | FUDS |
| 97 | Lanai | Army, Corps of Engineers | FUDS Lanai Bombing Target Keanapapa Point | Medium | Assessment | Undetermined Hazard | Ongoing | FUDS |
| 98 | Lanai | Army, Corps of Engineers | FUDS Lanai Bombing Target Manele Bay | Medium | Assessment | Undetermined Hazard | Ongoing | FUDS |
| 99 | Lanai | Army, Corps of Engineers | FUDS Lanai Bombing Targets | Medium | Assessment | Undetermined | Ongoing | FUDS |
| 100 | Lanai | Army, Corps of Engineers | Lanai Radar Station | Low | Response | Hazard Present Hazard | Ongoing | FUDS |
| 101 | Maui | Air Force, Maui Satellite Tracking Station | Maui Satellite Tracking Site | Low | Assessment | Undetermined Hazard | Ongoing | IRP |
| 102 | Maui | Army | FUDS Puunene Airport H09HI030500 Project SECOR | Low | Assessment | Undetermined | Ongoing | IRP |
| 103 | Maui | Army, Corps of Engineers | FUDS Gunnery Site, Makawao | Medium | Response | Hazard Present Hazard | Ongoing | FUDS |
| 104 | Maui | Army, Corps of Engineers | FUDS Haiku Marine Camp | Low | Assessment | Undetermined Hazard | Ongoing | FUDS |
| 105 | Maui | Army, Corps of Engineers | FUDS Haleakala Military Reservation | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 106 | Maui | Army, Corps of Engineers | FUDS Kailua Radar System (Hamakualoa) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 107 | Maui | Army, Corps of Engineers | FUDS Makawao Station Hospital | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 108 | Maui | Army, Corps of Engineers | FUDS Marine Combat Course (Pauwela) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 109 | Maui | Army, Corps of Engineers | FUDS Marine Maneuver Area (Keanae) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 110 | Maui | Army, Corps of Engineers | FUDS Marine Oil Storage (Haiku) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 111 | Maui | Army, Corps of Engineers | FUDS Marine Training Activities (Hamakualoa) | Low | Assessment | Undetermined Hazard | Inactive | FUDS |
| 112 | Maui | Army, Corps of Engineers | FUDS Maui Airport, Puunene Landfill | Low | Response | Undetermined | Ongoing | DSMOA |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 113 | Maui | Army, Corps of Engineers | FUDS Maui Bombing Targets, Kanahena Point | Medium | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 114 | Maui | Army, Corps of Engineers | FUDS Maui Bombing Targets, Kanounou Point | Medium | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 115 | Maui | Army, Corps of Engineers | FUDS Maui Combat Base Training (Ulupalakua) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 116 | Maui | Army, Corps of Engineers | FUDS Naval Air Station | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 117 | Maui | Army, Corps of Engineers | FUDS Navy Military Activities | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 118 | Maui | Army, Corps of Engineers | FUDS Navy Military Reservation (Kahului) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 119 | Maui | Army, Corps of Engineers | FUDS Peahi Marine Firing Range | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 120 | Maui | Army, Corps of Engineers | FUDS The Tradewinds (Paia) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 121 | Maui | Army, Corps of Engineers | FUDS Waipio Bombing Targets | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 122 | Maui | Army, Corps of Engineers | HIARNG, Kanaio Local Training Area | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 123 | Maui | Army, Corps of Engineers | Kane Puu Naval Bombing Range | Medium | Assessment | Hazard Present | Ongoing | FUDS |
| 124 | Maui | Army, Corps of Engineers | FUDS MMRP | Medium | Assessment | Hazard Present | Ongoing | FUDS |
| 125 | Maui | Army, Corps of Engineers | Opana Point Maui | Medium | Response | Hazard Present | Ongoing | FUDS |
| 125 | Molokai | Army, Corps of Engineers | FUDS Ilio Point | Medium | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 126 | Molokai | Army, Corps of Engineers | FUDS Ilio Point Annex | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 127 | Molokai | Army, Corps of Engineers | FUDS Mokuhooniki Island | Medium | Assessment | Hazard Present | Ongoing | FUDS |
| 128 | Molokai | Army, Corps of Engineers | FUDS Molokai Bombing Targets - Punakua | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 129 | Molokai | Army, Corps of Engineers | FUDS Moomomi Military Reservation | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 130 | Molokai | Army, Corps of Engineers | FUDS Unexploded Ordnance Removal, Molokini Island | Medium | Response | Hazard Present | Ongoing | FUDS |
| 131 | Molokai | Army, Corps of Engineers | Makanalua Bombing Range | Low | Response | Hazard Present | Ongoing | FUDS |
| 132 | Molokai | Army, Corps of Engineers | Papohaku Ranchland and Punakua Target Area | High | Response | Hazard Managed with Institutional Controls | Ongoing | FUDS |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 133 | Oahu | Air Force, Bellows Air Force Station | Bellows AFS AOC18 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 134 | Oahu | Air Force, Bellows Air Force Station | Bellows AFS Marine Corps Training Area Parcel 5C | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 135 | Oahu | Air Force, Bellows Air Force Station | Bellows AFS MRA39, Former Large Bomb Range | Low | Assessment | Hazard Present Hazard | Ongoing | MMRP |
| 136 | Oahu | Air Force, Bellows Air Force Station | Bellows AFS MRA39, Former Large bomb Range [Revised] | Low | Assessment | Undetermined | Ongoing | MMRP |
| 137 | Oahu | Air Force, Bellows Air Force Station | Bellows AFS MRA40, Former Skeet Range | Low | Assessment | Hazard Present | Ongoing | MMRP |
| 138 | Oahu | Air Force, Bellows Air Force Station | Bellows AFS MRA43, Urban Warfare Training Facility | Low | Assessment | Hazard Present Hazard | Ongoing | MMRP |
| 139 | Oahu | Air Force, Bellows Air Force Station | Bellows Air Force Station | Low | Assessment | Undetermined | Ongoing | IRP |
| 140 | Oahu | Air Force, Fort Kamehameha | Fort Kamehameha DSPL Site | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 141 | Oahu | Air Force, Fort Kamehameha | Hickam AFB ST20, Subsite F-708 | Low | Assessment | Undetermined | Ongoing | DSMOA |
| 142 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB Elementary School Library | Medium | Assessment | Hazard Undetermined | Ongoing | IRP |
| 143 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB MRA1X, Former Skeet Ranges | Low | Response | Hazard Present | Ongoing | MMRP |
| 144 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB MRA1X, TS001 Hickam Skeet Range | Low | Assessment | Hazard Present | Ongoing | MMRP |
| 145 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB MRA2X, Small Skeet Range | Low | Assessment | Hazard Present | Ongoing | MMRP |
| 146 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB MRA3X, Former Moving Base Skeet Range | Low | Assessment | Hazard Present | Ongoing | MMRP |
| 147 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB MRA53, Former Fort Kamehameha Small Arms Range | Low | Assessment | Hazard Present | Ongoing | MMRP |
| 148 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB MRA54, Former EOD Proficiency Range | Low | Assessment | Hazard Present Hazard | Ongoing | MMRP |
| 149 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB Multiple AOCs | Low | Assessment | Undetermined | Ongoing | IRP |
| 150 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB Soil Contamination Fort Kamehameha Road | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 151 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST01, 922A | Low | Response | Hazard Undetermined | Ongoing | DSMOA |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | |
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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 152 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST01, Subsite F-Navy Barracks | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 153 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, 3190B | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 154 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-503 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 155 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-525 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 156 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-526 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 157 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-528 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 158 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-530 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 159 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-531 | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 160 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-540 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 161 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-542 | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 162 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-542B | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 163 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-543A | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 164 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-543B | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 165 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-544A | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 166 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-544B | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 167 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-548 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 168 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-549A | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 169 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-549B | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 170 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-552FK | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
|--|---------------------|----------------------------------|--------------------------------|---------------|---------------------------------------|---------------------|------------------------|-------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 171 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-554FK | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 172 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-558 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 173 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-563A | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 174 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-703 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 175 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-704 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 176 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-705 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 177 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-707 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 178 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-709 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 179 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-711 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 180 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-712 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 181 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-713 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 182 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-714 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 183 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-715 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 184 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-721 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 185 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, F-752 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 186 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, Subsite F-701 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 187 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, Subsite F-722 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 188 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST20, Subsite F-724 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 189 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST28, F-3016 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
|--|---------------------|----------------------------------|---|---------------|---------------------------------------|---------------------|------------------------|-------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 190 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST30, F-126A | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 191 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST30, Subsite 215 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 192 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST30, Subsite 940 | Low | Response | Hazard Present | Ongoing | IRP |
| 193 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST31, Subsite F-175 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 194 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, 1105 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 195 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, 1250 A and B | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 196 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, 1257 A & B | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 197 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, 55-8-14 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 198 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, F-2081 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 199 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, F554-1166 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 200 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, Former Runway M | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 201 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, Former Runway NW | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 202 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, Former Runway SE | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 203 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, Subsite 1113 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 204 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, Subsite 1132 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 205 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST32, Vickers Avenue USTs | Medium | Response | Hazard Present | Ongoing | IRP |
| 206 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST33, Subsite F-244 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 207 | Oahu | Air Force, Hickam Air Force Base | HICKAM AFB ST34, Clean Water Rinse Facility | Low | Assessment | Hazard Present | Ongoing | IRP |
| 208 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST34, F-180 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |

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|--|---------------------|---|---|---------------|---------------------------------------|------------------------|------------------------|-------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 209 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST34, Subsite 2184 | Low | Response | Hazard Present | Ongoing | DSMOA |
| 210 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST35, F-17-2105 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 211 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST35, F-1808 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 212 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST35, F-20-2105 | Low | Response | Hazard Undetermined | Ongoing | IRP |
| 213 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB ST35, F-21B | Medium | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 214 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB, Building 2072 UST | Low | Response | Hazard Present | Ongoing | IRP |
| 215 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB, Foster Point Seawall | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 216 | Oahu | Air Force, Hickam Air Force Base | Hickam AFB, Subsurface Fuel Plume | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 217 | Oahu | Air Force, Hickam Air Force Base | Hickam Air Force Base Building 1204 | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 218 | Oahu | Air Force, Hickam Air Force Base | Hickam Former Building 2156 AST Sump | Low | Assessment | Hazard Present | Ongoing | IRP |
| 219 | Oahu | Air Force, Hickam Air Force Base | Old HIANG Area Contaminated Soils (AOC KNMD-EA11) | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 220 | Oahu | Air Force, Hickam Air Force Base | Potential Landfill (Near LF14 & LF15) AOC KNMD-EA01 | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 221 | Oahu | Air Force, Hickam Air Force Base | ST31 1046B Tank | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 222 | Oahu | Air Force, Hickam Air Force Base | Waiwa Stream Tributary, Pearl City | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 223 | Oahu | Air Force, Hickam Air Force Base | Wash Racks/Building 2025 and Near Building 1055 (KNMD-EA22) | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 224 | Oahu | Air Force, Kaena Point Satellite Tracking Station | Kaena Point Satellite Tracking Station ST001 Former Fuel Tank/Pipeline Tank | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 225 | Oahu | Air Force, Kaena Point Satellite Tracking Station | Kaena Point STS EA06 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 226 | Oahu | Air Force, Kaena Point Satellite Tracking Station | Kaena Point STS OT501 Building 21 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |

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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 227 | Oahu | Air Force, Kaena Point Satellite Tracking Station | Kaena Point STS OT503 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 228 | Oahu | Air Force, Kaena Point Satellite Tracking Station | Kaena Point STS TU500 | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 229 | Oahu | Air Force, Palehua Solar Observatory | Palehua Solar Observatory | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 230 | Oahu | Army | DOD US Army | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 231 | Oahu | Army, Fort Barrette | FUDS Fort Barrette | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 232 | Oahu | Army, Palailai Military Reservation | FUDS Palailai Military Reservation | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 233 | Oahu | Army, Puu Makakilo Training Area | FUDS Puu Makakilo Training Area | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 234 | Oahu | Army, Aliamanu Military Reservation | Aliamanu Military Reservation | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 235 | Oahu | Army, Aliamanu Military Reservation | Aliamanu Military Reservation, Freon with Oil Release | Low | Assessment | Hazard Undetermined | Ongoing | Army |
| 236 | Oahu | Army, Army Garrison Hawaii, Directorate of Public Works | Fort Barrette, Safety Hazard Removal | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 237 | Oahu | Army, Army Garrison Hawaii, Directorate of Public Works | Kipapa Ammo Storage Tunnels | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 238 | Oahu | Army, Army Garrison Hawaii, Directorate of Public Works | Kipapa Ammo Storage Tunnels Legal Pesticide Application | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 239 | Oahu | Army, Army Garrison Hawaii, Directorate of Public Works | Schofield Army Bldg 747 Diesel | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 240 | Oahu | Army, Army Garrison Hawaii, Directorate of Public Works | Waikakalaua Ammo Storage Tunnels | Medium | Assessment | Hazard Undetermined | Ongoing | IRP |
| 241 | Oahu | Army, Army Garrison Hawaii, Directorate of Public Works | Waikakalaua Ammunitions Storage Tunnel MMRP Site 24A | Low | Assessment | Hazard Undetermined | Ongoing | MMRP |
| 242 | Oahu | Army, Corps of Engineers | FUDS 218th General Hospital | Low | Assessment | Hazard Undetermined | Inactive | FUDS |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | |
|--|---------------------|--------------------------|---|---------------|---------------------------------------|------------------------|------------------------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 243 | Oahu | Army, Corps of Engineers | FUDS 220th Signal Depot (Kalihi) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 244 | Oahu | Army, Corps of Engineers | FUDS 230th Station Hospital (Kaneohe) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 245 | Oahu | Army, Corps of Engineers | FUDS 26th Station Hospital | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 246 | Oahu | Army, Corps of Engineers | FUDS 364th Ordnance Company | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 247 | Oahu | Army, Corps of Engineers | FUDS 41st Coast Artillery Camp | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 248 | Oahu | Army, Corps of Engineers | FUDS Aiea AAA Command Post | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 249 | Oahu | Army, Corps of Engineers | FUDS Ala Wai Field | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 250 | Oahu | Army, Corps of Engineers | FUDS Alewa Height Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 251 | Oahu | Army, Corps of Engineers | FUDS Amphibious Training Camp | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 252 | Oahu | Army, Corps of Engineers | FUDS Apollo Bore Site Tower | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 253 | Oahu | Army, Corps of Engineers | FUDS Ashley Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 254 | Oahu | Army, Corps of Engineers | FUDS Asphalt Plant (Wheeler) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 255 | Oahu | Army, Corps of Engineers | FUDS Barbers Point Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 256 | Oahu | Army, Corps of Engineers | FUDS Base Yard No. 6 (Waikiki) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 257 | Oahu | Army, Corps of Engineers | FUDS Battery Burgess (Salt Lake) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 258 | Oahu | Army, Corps of Engineers | FUDS Battery Forrest J. French | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 259 | Oahu | Army, Corps of Engineers | FUDS Battery George W. Ricker | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 260 | Oahu | Army, Corps of Engineers | FUDS Battery Louis R. Burgess (Salt Lake) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 261 | Oahu | Army, Corps of Engineers | FUDS Battery Punchbowl | Low | Assessment | Hazard Undetermined | Inactive FUDS |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | |
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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 262 | Oahu | Army, Corps of Engineers | FUDS Battery Selfridge (Fort Kamehameha) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 263 | Oahu | Army, Corps of Engineers | FUDS Battery Willy (Waialae Iki) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 264 | Oahu | Army, Corps of Engineers | FUDS Brown's Camp Military Reservation (Ko Olina Resort) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 265 | Oahu | Army, Corps of Engineers | FUDS Camp Beaumont (Nanakuli) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 266 | Oahu | Army, Corps of Engineers | FUDS Campbell Gulch Ammunition Storage (Kunia) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 267 | Oahu | Army, Corps of Engineers | FUDS Center Combat Range | Low | Assessment | Hazard Undetermined | Ongoing FUDS |
| 268 | Oahu | Army, Corps of Engineers | FUDS Coconut Island | Low | Assessment | Hazard Undetermined | Ongoing FUDS |
| 269 | Oahu | Army, Corps of Engineers | FUDS Damon Fish Ponds | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 270 | Oahu | Army, Corps of Engineers | FUDS Damon Tract Shop Area | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 271 | Oahu | Army, Corps of Engineers | FUDS Dawn Star System | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 272 | Oahu | Army, Corps of Engineers | FUDS Diamond Head Ammunition Storage (Diamond Head Reservation) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 273 | Oahu | Army, Corps of Engineers | FUDS Dillingham Air Force Base | Low | Assessment | Hazard Present Hazard | Ongoing FUDS |
| 274 | Oahu | Army, Corps of Engineers | FUDS Dillingham Base Yard | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 275 | Oahu | Army, Corps of Engineers | FUDS Dillingham Storage Area | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 276 | Oahu | Army, Corps of Engineers | FUDS Dr. Simon's Projects (Various Locations) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 277 | Oahu | Army, Corps of Engineers | FUDS Drum Fill Plant (Kipapa Gulch) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 278 | Oahu | Army, Corps of Engineers | FUDS Engineer Power Plants | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 279 | Oahu | Army, Corps of Engineers | FUDS Ewa Beach Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 280 | Oahu | Army, Corps of Engineers | FUDS Ewa Church Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |

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|--|---------------------|--------------------------|--|---------------|---------------------------------------|------------------------|------------------------|------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 281 | Oahu | Army, Corps of Engineers | FUDS Ewa Storage Tank (Pearl City) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 282 | Oahu | Army, Corps of Engineers | FUDS Former Naval Ammunition Depot (NAD) Lualualei | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 283 | Oahu | Army, Corps of Engineers | FUDS Former Navy Supply Center | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 284 | Oahu | Army, Corps of Engineers | FUDS Fort Armstrong Military Reservation | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 285 | Oahu | Army, Corps of Engineers | FUDS Fort Hase Military Reservation | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 286 | Oahu | Army, Corps of Engineers | FUDS Fort Kamehameha | Low | Assessment | Undetermined | Inactive | FUDS |
| 287 | Oahu | Army, Corps of Engineers | FUDS Haiku Radio Station | High | Response | Hazard Present | Ongoing | FUDS |
| 288 | Oahu | Army, Corps of Engineers | FUDS Kahuku Training Area | Low | Assessment | Hazard Present | Ongoing | FUDS |
| 289 | Oahu | Army, Corps of Engineers | FUDS Kaukonahua Storage Annex (Waipio) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 290 | Oahu | Army, Corps of Engineers | FUDS Keaahala Military Reservation (Kaneohe District Park) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 291 | Oahu | Army, Corps of Engineers | FUDS Kewalo Basin Gun Site | Low | Assessment | Undetermined | Inactive | FUDS |
| 292 | Oahu | Army, Corps of Engineers | FUDS Kipapa Ammunition Storage Site | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 293 | Oahu | Army, Corps of Engineers | FUDS Koko Crater Radar Station | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 294 | Oahu | Army, Corps of Engineers | FUDS Koko Head Medical Center (Koko Head District Park) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 295 | Oahu | Army, Corps of Engineers | FUDS Kokololio Military Reservation | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 296 | Oahu | Army, Corps of Engineers | FUDS Kualoa Airfield | Low | Assessment | Undetermined | Inactive | FUDS |
| 297 | Oahu | Army, Corps of Engineers | FUDS Kuwili Park Military Reservation (Iwilei) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 298 | Oahu | Army, Corps of Engineers | FUDS Laie Military Reservation | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 299 | Oahu | Army, Corps of Engineers | FUDS Makalapa Crater Navy Salvage Yard | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |

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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 300 | Oahu | Army, Corps of Engineers | FUDS Makapuu Point Radar Station/Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 301 | Oahu | Army, Corps of Engineers | FUDS Marconi Impact Area | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 302 | Oahu | Army, Corps of Engineers | FUDS Marine Reservation (Kula) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 303 | Oahu | Army, Corps of Engineers | FUDS Nike No. 1 (Dillingham Military Reservation) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 304 | Oahu | Army, Corps of Engineers | FUDS Nike Sites 3 & 4 (Bellows AFS) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 305 | Oahu | Army, Corps of Engineers | FUDS Oahu Target Island | Medium | Response | Hazard Managed with Institutional Controls | Ongoing DSMOA |
| 306 | Oahu | Army, Corps of Engineers | FUDS Overseas Assembly Yard | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 307 | Oahu | Army, Corps of Engineers | FUDS Puuiki Military Reservation (Waialua) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 308 | Oahu | Army, Corps of Engineers | FUDS Puuloa Road | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 309 | Oahu | Army, Corps of Engineers | FUDS Puuloa-Ex NAS Barbers Point | Low | Assessment | Hazard Undetermined | Ongoing FUDS |
| 310 | Oahu | Army, Corps of Engineers | FUDS Puu-O-Hulu Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 311 | Oahu | Army, Corps of Engineers | FUDS Quartermaster Battalion (Kalihi) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 312 | Oahu | Army, Corps of Engineers | FUDS Rabbit Island | Low | Assessment | undetermined Hazard | Ongoing FUDS |
| 313 | Oahu | Army, Corps of Engineers | FUDS Range D-400-L | Low | Assessment | Hazard Undetermined | Ongoing FUDS |
| 314 | Oahu | Army, Corps of Engineers | FUDS Red Hill Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 315 | Oahu | Army, Corps of Engineers | FUDS Round Top Military Reservation (Makiki) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 316 | Oahu | Army, Corps of Engineers | FUDS Sacred Hearts Academy | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 317 | Oahu | Army, Corps of Engineers | FUDS Sand Island Asphalt Plant | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 318 | Oahu | Army, Corps of Engineers | FUDS Sand Island Military Reservation | Low | Assessment | Hazard Undetermined | Inactive FUDS |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | | |
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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 319 | Oahu | Army, Corps of Engineers | FUDS Site 3 Offshore | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 320 | Oahu | Army, Corps of Engineers | FUDS Site 3A Offshore | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 321 | Oahu | Army, Corps of Engineers | FUDS St. Louis College (Kalaepohaku) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 322 | Oahu | Army, Corps of Engineers | FUDS Sugar Loaf Military Reservation | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 323 | Oahu | Army, Corps of Engineers | FUDS Transportation Service Area No. 1 (Downtown) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 324 | Oahu | Army, Corps of Engineers | FUDS Underground Fuel Storage (Red Hill) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 325 | Oahu | Army, Corps of Engineers | FUDS Wahiawa School | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 326 | Oahu | Army, Corps of Engineers | FUDS Waianae Aircraft Warning Service (AWS) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 327 | Oahu | Army, Corps of Engineers | FUDS Waianae Amphibious Training (Waianae Kai) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 328 | Oahu | Army, Corps of Engineers | FUDS Waiiau Drum Storage | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 329 | Oahu | Army, Corps of Engineers | FUDS Waiawa Gulch Aviation Supply (Pearl City Industrial Park) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 330 | Oahu | Army, Corps of Engineers | FUDS Waiawa Training Area | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |
| 331 | Oahu | Army, Corps of Engineers | FUDS Wailua Military Reservation | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 332 | Oahu | Army, Corps of Engineers | FUDS Waimea Bay Gun Site | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 333 | Oahu | Army, Corps of Engineers | FUDS Waimea Falls Park | Medium | Assessment | Hazard Present Hazard | Ongoing | FUDS |
| 334 | Oahu | Army, Corps of Engineers | FUDS Waipio Hospital | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 335 | Oahu | Army, Corps of Engineers | FUDS Waipio Military Reservation | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 336 | Oahu | Army, Corps of Engineers | FUDS War Reserve Gasoline System (Manana) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |
| 337 | Oahu | Army, Corps of Engineers | FUDS War Reserve Gasoline System (Waiawa) | Low | Assessment | Hazard Undetermined | Inactive | FUDS |

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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 338 | Oahu | Army, Corps of Engineers | FUDS Warehouse No. 3&4 (Honolulu) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 339 | Oahu | Army, Corps of Engineers | FUDS Wilhelmina Rise Fire Control Station | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 340 | Oahu | Army, Corps of Engineers | FUDS Yokohama Specie Bank Building | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 341 | Oahu | Army, Corps of Engineers | Heeia Combat Training Camp, Heeia, Oahu | High | Response | Hazard Present | Ongoing DSMOA |
| 342 | Oahu | Army, Corps of Engineers | Makapuu Light House FUDS MMRP | Low | Assessment | Hazard Present | Ongoing FUDS |
| 343 | Oahu | Army, Corps of Engineers | Offshore Waianae Sewage Outfall, Oahu | Low | Assessment | Hazard Present | Ongoing FUDS |
| 344 | Oahu | Army, Corps of Engineers | Pacific Jungle Combat Training Area | High | Response | Hazard Present | Ongoing FUDS |
| 345 | Oahu | Army, Corps of Engineers | Wailua Artillery Impact Area FUDS MMRP | Medium | Assessment | Hazard Present | Ongoing FUDS |
| 346 | Oahu | Army, Dillingham Military Reservation | Former Transformer Site | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 347 | Oahu | Army, Dillingham Military Reservation | FUDS Battery Carroll G. Riggs (Waialua) | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 348 | Oahu | Army, Fort DeRussy | Fort DeRussy Transformers by Building T-111 and 2058 | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 349 | Oahu | Army, Fort DeRussy | Fort DeRussy, Former Leaking UST Site (Bldg 107 & 108) | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 350 | Oahu | Army, Fort Hase | FUDS Fort Hase-Kapaa Marine Training Area | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 351 | Oahu | Army, Fort Shafter | Fort Shafter KGU Radio Station Transmitter Tower | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 352 | Oahu | Army, Fort Shafter | Fort Shafter MMRP | Low | Response | Hazard Undetermined | Ongoing MMRP |
| 353 | Oahu | Army, Heeia Fire Control Station | FUDS Heeia Fire Control Station | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 354 | Oahu | Army, Kapalama Military Reservation | Former Kapalama Military Piers 39 and 40 Pipelines | Low | Assessment | Hazard Undetermined | Ongoing FUDS |
| 355 | Oahu | Army, Kapalama Military Reservation | FUDS Kahuku Airfield Army Reservation | Low | Assessment | Hazard Undetermined | Ongoing FUDS |

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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 356 | Oahu | Army, Kapalama Military Reservation | Kapalama Military Reservation South Oahu Location | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 357 | Oahu | Army, Kipapa Gulch Army Installation | Kipapa Gulch Army Installation | Low | Assessment | Hazard Undetermined | Ongoing FUDS |
| 358 | Oahu | Army, Kunia Military Reservation | Kunia Field Station | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 359 | Oahu | Army, Kunia Military Reservation | Kunia Field Station at Kunia Gate | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 360 | Oahu | Army, Kunia Military Reservation | Kunia Military Reservation | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 361 | Oahu | Army, Makua Military Reservation | Makua Military Reservation MMRP MAKU-004-R-01 | Low | Assessment | Hazard Undetermined | Inactive DSMOA |
| 362 | Oahu | Army, Makua Military Reservation | Makua Military Reservation MMRP Plateau | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 363 | Oahu | Army, Pacific Jungle Combat-01-Kahana Valley | FUDS Pacific Jungle Combat-01-Kahana Valley | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 364 | Oahu | Army, Pacific Jungle Combat-02-Punaluu Valley | FUDS Pacific Jungle Combat-02-Punaluu Valley | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 365 | Oahu | Army, Pokai Bay | Ordnance Reef Site HI-06 | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 366 | Oahu | Army, Schofield Barracks | Building Quad-J UST Diesel Fuel Release | Low | Assessment | Hazard Undetermined | Ongoing Army |
| 367 | Oahu | Army, Schofield Barracks | Schofield Barracks Building 1087 Bulk Fuel Field Yard | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 368 | Oahu | Army, Schofield Barracks | Schofield Barracks Building 589 Parking Lot | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 369 | Oahu | Army, Schofield Barracks | Schofield Barracks East Range | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 370 | Oahu | Army, Schofield Barracks | Schofield Barracks Site 26 Car Care | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 371 | Oahu | Army, Schofield Barracks | Schofield Barracks, NCO Academy, Building 6055 | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 372 | Oahu | Army, Schofield Barracks | Schofield Barracks, Small Bore Range | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 373 | Oahu | Army, Schofield Barracks | Schofield Barracks, UST NCO Academy Building | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |

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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 374 | Oahu | Army, Schofield Barracks | Schofield Barracks MMRP A-100-1 | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 375 | Oahu | Army, Tripler | FUDS 218th General Hospital (Kamehameha Schools) | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 376 | Oahu | Army, Tripler Army Medical Center | Tripler Building 144-145 UST | Low | Response | Hazard Undetermined | Ongoing IRP |
| 377 | Oahu | Army, Tripler Army Medical Center | Tripler Hospital UST Tank | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 378 | Oahu | Army, Wailupe Impact Area | FUDS Wailupe Impact Area | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 379 | Oahu | Army, Waimanalo Training Center | FUDS Waimanalo Training Center | Low | Assessment | Hazard Undetermined | Inactive FUDS |
| 380 | Oahu | Army, Wheeler Army Airfield | Wheeler Army Airfield | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 381 | Oahu | Army, Wheeler Army Airfield | Wheeler Army Airfield Building 218 | Low | Response | Hazard Undetermined | Ongoing DSMOA |
| 382 | Oahu | Army, Wheeler Army Airfield | Wheeler Army Airfield MMRP | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 383 | Oahu | Army, Wheeler Army Airfield, Directorate of Public Works | Waikakalaua Ammunitions Storage Tunnel MMRP WAST-002-R-03 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 384 | Oahu | Defense, Defense Reutilization and Marketing Office | DRMO Manana Storage Area | High | Response | Hazard Undetermined | Ongoing DSMOA |
| 385 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Auto Hobby Shop | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 386 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Building 273 | Low | Response | Hazard Undetermined | Ongoing DSMOA |
| 387 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Coral Pit, Ordnance Pond, Sanitary Landfill | Low | Assessment | Hazard Undetermined | Ongoing Navy |
| 388 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Dry Well Network | Low | Assessment | Hazard Undetermined | Ongoing BRAC |
| 389 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Electrical Manholes | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 390 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Navy Public Works Center | Low | Response | Hazard Present Hazard | Ongoing BRAC |
| 391 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Public Works Transportation Compound | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |

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| Island | Installation | Site Name | Priority | Action | Potential Hazards and Controls | Site Status | Cleanup Program |
| 392 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Regional Groundwater System | Low | Assessment | Hazard Undetermined | Inactive BRAC |
| 393 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Sanitary Landfill | Medium | Response | Hazard Managed with Engineering Controls | Ongoing IRP |
| 394 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS Unexploded Ordnance 2 | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 395 | Oahu | Navy, Barbers Point Naval Air Station | Barbers Point NAS UST BP 19-20 | Low | Assessment | Hazard Undetermined | Ongoing Compliance |
| 396 | Oahu | Navy, Fleet and Industrial Supply Center (FISC) | PHFISC Building 229 Three Unrecorded USTs | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 397 | Oahu | Navy, Fleet and Industrial Supply Center (FISC) | PHFISC, Abandoned Tank | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 398 | Oahu | Navy, Fleet and Industrial Supply Center (FISC) | PHFISC, Contaminated Groundwater | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 399 | Oahu | Navy, Fleet and Industrial Supply Center (FISC) | PHFISC, Merry Point Old Diesel Purifier | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 400 | Oahu | Navy, Fleet and Industrial Supply Center (FISC) | PHFISC, Pearl City Fuel Annex | Medium | Response | Hazard Managed with Engineering Controls | Ongoing IRP |
| 401 | Oahu | Navy, Ford Island | Ford Island | High | Assessment | Hazard Undetermined | Ongoing IRP |
| 402 | Oahu | Navy, Ford Island | Kamehameha Hwy and Ford Island Bridge | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 403 | Oahu | Navy, Hickam Air Force Base | Navy Building 3407 Soil Contamination | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 404 | Oahu | Navy, Joint Base Command | PHNC, Sandblast Grit Disposal JBPHH, Underground Storage Tank at Marine Barracks | High | Response | Hazard Present | Ongoing IRP |
| 405 | Oahu | Navy, Joint Base Pearl Harbor Hickam (JBPHH) | Building 285 | Low | Assessment | Hazard Present | Ongoing IRP |
| 406 | Oahu | Navy, Marine Corps, Base Hawaii | Kaneohe Marine Corps Base Hawaii MMRP | Low | Assessment | Hazard Undetermined | Ongoing MMRP |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | |
|--|---------------------|--|--|---------------|---------------------------------------|--|------------------------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 407 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH Facilities Department Salvage Yard | Low | Response | Hazard Undetermined | Ongoing IRP |
| 408 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH Transformers F-678/678 Electrical Shop Site | High | Response | Hazard Managed with Engineering Controls | Ongoing IRP |
| 409 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, Blank Fire Patrol Lanes | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 410 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, Ordnance Demolition Area | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 411 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, Southeast Asia Jungle Village | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 412 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, UST KB-184 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 413 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, UST KB-25 | Low | Response | Hazard Undetermined | Ongoing DSMOA |
| 414 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, UST KB-31 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 415 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, UST KB-329S & KB-329V | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 416 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, UST KB-4042 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 417 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, UST KB-44 | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 418 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, UST KB-49 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 419 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MCBH, UST KB-73 | Low | Assessment | Hazard Undetermined | Inactive IRP |

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|--|---------------------|---|---|---------------|---------------------------------------|---------------------|------------------------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 420 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | Kaneohe MSBH, Aviation Supply Facility | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 421 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | MCBH Camp H.M. Smith | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 422 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | MCBH Camp H.M. Smith Bazooka Practice Area | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 423 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | MCBH Kaneohe Bay | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 424 | Oahu | Navy, Marine Corps, Kaneohe Marine Corps Base Hawaii | MCBH Kaneohe Bay, Fire Fighting Training Area | Low | Response | Hazard Undetermined | Ongoing IRP |
| 425 | Oahu | Navy, Naval Computer and Telecommunications Area Master Station-Pacific | Naval Computer and Telecommunications Area Master Station Pacific | High | Response | Hazard Undetermined | Ongoing IRP |
| 426 | Oahu | Navy, Naval Computer and Telecommunications Area Master Station-Pacific | NAVCAM | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 427 | Oahu | Navy, Naval Computer and Telecommunications Area Master Station-Pacific | NRTF Lualualei | High | Response | Hazard Undetermined | Ongoing IRP |
| 428 | Oahu | Navy, Naval Magazine Lualualai (West Loch Branch) | NAVMAG West Loch Building 49 Transformer | Medium | Response | Hazard Undetermined | Ongoing DSMOA |
| 429 | Oahu | Navy, Naval Magazine Lualualai (West Loch Branch) | NAVMAG West Loch, Burning Pit MRS | Medium | Response | Hazard Present | Ongoing DSMOA |
| 430 | Oahu | Navy, Naval Magazine Lualualai (West Loch Branch) | NAVMAG West Loch, Electrical Components Disposal Area MRS | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 431 | Oahu | Navy, Naval Magazine Lualualai (West Loch Branch) | NAVMAG West Loch, Injection Well MRS | Low | Assessment | Hazard Undetermined | Ongoing MMRP |

| HAWAII STATE RESPONSE DEPARTMENT OF DEFENSE STATE MEMORANDUM OF AGREEMENT PROGRAM LIST OF PRIORITY SITES FY2020 | | | | | | | |
|--|---------------------|---|---|---------------|---------------------------------------|---------------------|------------------------|
| Island | Installation | Site Name | Priority | Action | Potential Hazards and Controls | Site Status | Cleanup Program |
| 432 | Oahu | Navy, Naval Magazine Lualualai (West Loch Branch) | NAVMAG West Loch, West Loch Burning Pit | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 433 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | Naval Magazine Lualualei | Low | Assessment | Hazard Undetermined | Inactive IRP |
| 434 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Building 112/112A Tank Repair Facility | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 435 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Building D122 Projectile Overhaul Facility | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 436 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Building S461 Battery Washing Shed | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 437 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Buildings 172 & 418 Battery Charging Shops | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 438 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Closed Small Arms Range MRS | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 439 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Fill Area MRS | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 440 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Former Emergency Detonation Area | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 441 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Homemade Incinerator MRS | Low | Assessment | Hazard Present | Ongoing MMRP |
| 442 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL M-28 Rifle Grenade Range MRS | Low | Assessment | Hazard Undetermined | Ongoing MMRP |
| 443 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Northern Munitions Response Sites | Medium | Response | Hazard Present | Ongoing MMRP |
| 444 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Ordnance Burn Area MRS | Low | Assessment | Hazard Undetermined | Ongoing MMRP |

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|--|---------------------|---|---|---------------|---------------------------------------|--|------------------------|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 445 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Outlying Operations Area | High | Response | Hazard Undetermined | Ongoing IRP |
| 446 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Rocket Test Range MRS | Medium | Response | Hazard Undetermined | Ongoing DSMOA |
| 447 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Salvage Yard | Medium | Response | Hazard Present | Ongoing IRP |
| 448 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Scrap Metal Landfill | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 449 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Scrap Metal Pile MRS | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 450 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Small Arms Range II | Medium | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 451 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Stormwater and Sewage Systems | Medium | Response | Hazard Undetermined | Ongoing IRP |
| 452 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Trap and Skeet Range MRS | Medium | Response | Hazard Undetermined | Ongoing DSMOA |
| 453 | Oahu | Navy, Naval Magazine Lualualei (Lualualei Branch) | NAVMAG LLL Waipio Peninsula | High | Response | Hazard Present | Ongoing IRP |
| 454 | Oahu | Navy, Naval Magazine Lualualei (Waikele Branch) | Naval Magazine Lualualei (Waikele Branch) | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 455 | Oahu | Navy, Naval Magazine Lualualei (Waikele Branch) | NAVMAG Waikele Burn Pit/Disposal Area | High | Response | Hazard Managed with Engineering Controls | Ongoing IRP |
| 456 | Oahu | Navy, Naval Magazine Lualualei (Waikele Branch) | NAVMAG Waikele, Contaminated Soil, Waipio | Medium | Assessment | Hazard Present | Ongoing IRP |
| 457 | Oahu | Navy, Naval Magazine Lualualei (West Loch Branch) | Waipahu Ash Landfill | Medium | Response | Hazard Present | Ongoing IRP |

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|--|---------------------|---|--|--|---------------------------------------|--|--|
| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 458 | Oahu | Navy, Naval Magazine Lualualei (West Loch Branch) | Waipio Soccer Complex | Low | Response | Hazard Undetermined | Ongoing IRP |
| 459 | Oahu | Navy, Naval Magazine Pearl Harbor | Naval Magazine Pearl Harbor MMRP | High | Assessment | Hazard Present | Ongoing MMRP |
| 460 | Oahu | Navy, NAVCAMS EASTPAC Opana | Opana | Low | Assessment | Hazard Undetermined | Ongoing Compliance |
| 461 | Oahu | Navy, NAVCAMS EASTPAC Radio Transmitting Facility | Lualualei | NCTAMS PAC NRTF LLL, Old NRTF Landfill | Medium | Response | Hazard Managed with Engineering Controls Ongoing IRP |
| 462 | Oahu | Navy, NCTAMS Pacific | Transformer Sites | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 463 | Oahu | Navy, NCTAMS Pacific | NCTAMS PAC, Site 17, Transformer Sites (Buildings 106 and 261) | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 464 | Oahu | Navy, NCTAMS Pacific | NCTAMS, East Gulch Disposal Site | NFA | Response | No Hazard | NFA IRP |
| 465 | Oahu | Navy, NCTAMS Pacific | NCTAMS, Site 18, Transformers 2, 234, and 420 | Medium | Assessment | Hazard Present | Ongoing IRP |
| 466 | Oahu | Navy, NCTAMS Pacific | NCTAMS, Transformer 420 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 467 | Oahu | Navy, NCTAMS Pacific | NCTAMS, Various Transformer Sites | Medium | Response | Hazard Managed with Engineering Controls | Ongoing IRP |
| 468 | Oahu | Navy, Pacific Missile Range Facility | PMRF, Crash Crew Firefighting Pit 2 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 469 | Oahu | Navy, Pearl Harbor Naval Complex | Building 8 | Low | Assessment | Hazard Undetermined | Ongoing IRP |
| 470 | Oahu | Navy, Pearl Harbor Naval Complex | Ford Island Landfill | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 471 | Oahu | Navy, Pearl Harbor Naval Complex | Hotel Pier Site | Low | Assessment | Hazard Undetermined | Inactive DSMOA |
| 472 | Oahu | Navy, Pearl Harbor Naval Complex | JBPHH, Various Transformer Sites | Medium | Response | Hazard Managed with Engineering Controls | Ongoing IRP |
| 473 | Oahu | Navy, Pearl Harbor Naval Complex | Moanalua Shopping Center | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |

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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 474 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl City Landfill | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 475 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Hotel Pier 1 & 4 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 476 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Naval Base Subsurface Oil | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 477 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Naval Center, Fletragru Firetest Area | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 478 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Naval Center, Makalapa Crater | Medium | Assessment | Hazard Undetermined | Ongoing | IRP |
| 479 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Naval Shipyard Building 68 | Medium | Assessment | Hazard Undetermined | Inactive | IRP |
| 480 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Naval Station | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 481 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Naval Supply Center | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 482 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Navy Public Works Center | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 483 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Public Works Center Gas Station | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 484 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor PWC Iroquois Point Housing | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 485 | Oahu | Navy, Pearl Harbor Naval Complex | Pearl Harbor Sediment Study | Medium | Response | Hazard Present | Ongoing | IRP |
| 486 | Oahu | Navy, Pearl Harbor Naval Complex | PHFISC, Pearl City Peninsula Landfill | Medium | Response | Hazard Managed with Engineering Controls | Ongoing | IRP |
| 487 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC Building 1333 UST | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 488 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC Pacific Division Naval Facility Engineering | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 489 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Aiea Laundry Building 436 | High | Response | Hazard Present | Ongoing | IRP |
| 490 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, B-60 Sludge Disposal Pit | Medium | Assessment | Hazard Undetermined | Inactive | IRP |
| 491 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, B-660 Plating Shore Disposal | Medium | Assessment | Hazard Undetermined | Inactive | IRP |
| 492 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, B-660 Spent Acid Disposal | Medium | Assessment | Hazard Undetermined | Inactive | IRP |

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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> |
| 493 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Building 284 Engine Test Cell | Medium | Assessment | Hazard Undetermined | Ongoing IRP |
| 494 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Building 39 Storm Drain Lines | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 495 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Building 43 Storm Drain Lines | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 496 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Building 472, OPS Department Storage | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 497 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, EPMU-6 B-1536 Lab O/W Pit | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 498 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Ford Island Building 289, Former UST NS-38 | Low | Response | Hazard Undetermined | Inactive DSMOA |
| 499 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Ford Island Hazardous Substance Site | High | Response | Hazard Undetermined | Ongoing IRP |
| 500 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Ford Island, Building 79 | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 501 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Halawa Main Gate GSA, Remedial Action Area 12 | Low | Response | Hazard Undetermined | Ongoing IRP |
| 502 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites | Medium | Assessment | Hazard Undetermined | Ongoing IRP |
| 503 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Halawa Main Gate GSA, Storm Drain Inlet Release Sites, Building 449 | Medium | Assessment | Hazard Present | Ongoing IRP |
| 504 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Little Makalapa Naval Housing Area, Portion Radford Drive & Kamehameha Hwy | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 505 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, Underwater Munitions NDSA | Low | Response | Hazard Present | Ongoing MMRP |
| 506 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, UST 1 #1-77, #2-77, #3-77 | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 507 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, UST BP-1 | Low | Assessment | Hazard Present | Ongoing IRP |
| 508 | Oahu | Navy, Pearl Harbor Naval Complex | PHNC, UST EP-1 | Medium | Assessment | Hazard Undetermined | Inactive IRP |
| 509 | Oahu | Navy, Pearl Harbor Naval Complex | Shore Intermediate Maintenance Activity | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |
| 510 | Oahu | Navy, Pearl Harbor Naval Complex | USN Fleet Training Group | Low | Assessment | Hazard Undetermined | Ongoing DSMOA |

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| <u>Island</u> | <u>Installation</u> | <u>Site Name</u> | <u>Priority</u> | <u>Action</u> | <u>Potential Hazards and Controls</u> | <u>Site Status</u> | <u>Cleanup Program</u> | |
| 511 | Oahu | Navy, Pearl Harbor Naval Complex | USS Oklahoma PHNSY & IMF, Dry Docks | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 512 | Oahu | Navy, Pearl Harbor Naval Shipyard | Subsurface Fuel and PCBs on Groundwater Site | Low | Assessment | Hazard Undetermined | Ongoing | IRP |
| 513 | Oahu | Navy, Pearl Harbor Naval Shipyard | PHNSY, Shipyard GSA, Storm Drain Inlet Release Sites | Medium | Assessment | Hazard Present Hazard | Ongoing | IRP |
| 514 | Oahu | Navy, Pearl Harbor Naval Shipyard | PHNSY, Storm/Sanitary Sewer Drain | Low | Assessment | Hazard Undetermined | Inactive | IRP |
| 515 | Oahu | Navy, Pearl Harbor Naval Shipyard | PHNSY, Sump Plating Tanks B67 | Medium | Assessment | Hazard Undetermined | Ongoing | IRP |
| 516 | Oahu | Navy, Pearl Harbor Naval Shipyard | PHNSY, UST 5 & 10 | Medium | Assessment | Hazard Undetermined | Inactive | IRP |
| 517 | Oahu | Navy, Pearl Harbor Naval Shipyard | PHNSY, UST Locations #11 | Medium | Assessment | Hazard Undetermined | Inactive | IRP |
| 518 | Oahu | Navy, Pearl Harbor Naval Shipyard | PHNSY, UST S932 | Low | Assessment | Hazard Undetermined | Ongoing | DSMOA |
| 519 | Oahu | Navy, Public Works Center | PHPWC, Building X24 & Wash Rack X6 | Medium | Assessment | Hazard Undetermined | Ongoing | IRP |
| 520 | Oahu | Navy, Public Works Center | PHPWC, Burn Area Near Pearl City Peninsula | Medium | Assessment | Hazard Present | Ongoing | IRP |
| 521 | Oahu | Navy, Public Works Center | PHPWC, Industrial Waste Treatment Plant | Medium | Response | Hazard Present | Ongoing | IRP |
| 522 | Oahu | Navy, Public Works Center | PHPWC, Makalapa Landfill Area PHPWC, Oil | Medium | Assessment | Hazard Present | Ongoing | IRP |
| 523 | Oahu | Navy, Public Works Center | Reclamation/Incineration (Naval Shipyard) | Medium | Assessment | Hazard Undetermined | Inactive | IRP |
| 524 | Oahu | Navy, Public Works Center | PHPWC, Various Transformers | Medium | Assessment | Hazard Undetermined | Inactive | IRP |
| 525 | Oahu | Navy, Public Works Center | PHPWC, Various Transformers II | Medium | Assessment | Hazard Undetermined | Inactive | IRP |
| 526 | Oahu | Navy, Waipio Peninsula | Navy Waipio Peninsula, Herbicide/Fertilizer Mixing Area | High | Response | Hazard Managed with Engineering Controls | Ongoing | IRP |
| 527 | Palmyra Atoll | Army, Corps of Engineers | FUDS Palmyra Naval Aviation Facility (Palmyra Atoll) | Low | Assessment | Hazard Undetermined | Ongoing | FUDS |

END OF REPORT